

MACLEANS'S

SPECIAL 2002 EDITION | EXCLUSIVE RANKINGS

THE UNIVERSITY CRUNCH WINNING THE ADMISSIONS GAME

BY ANN DOWSETT JOHNSTON



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DOUBLE CONDUCT STUDENTS JOEY LOUIE, MICHAEL O'NEILL
AND NICOLAS PRATT OF KINGSTON, ONT.

A woman in a white lab coat is standing in a pharmacy aisle, holding up a newspaper with both hands and smiling broadly. The newspaper has the headline "PMA WE'RE HERE TO HELP". The aisle is lined with tall shelves filled with various pharmaceutical boxes and bottles. On the right wall, there is a framed certificate and a circular diagram with several colored dots.

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Pork barrelling along

The portrayal of a pig on the cover of your Nov. 4 issue ("The politics of pork") is most unfair—to pigs. Did a pig ever lie to you? Did a pig ever assault his buddies to the left? Did a pig ever give advertising contracts to his pals? Did a pig ever build a golf course with taxpayer's money? No. A pig's role in life is to get fat enough to be stuffed and roasted until it's done like dinner. Maybe that's the parallel.

Orlando Beach, Louisville, Mo.

Pork and politics of the current cabinet and Prime Minister's Office has set an example that leaves a negative image of the poor pig. Thankfully, Canada exports 45 per cent of its production of the right kind of pork.

Jim Gosselin, Midland, B.C.

So, political patronage is alive and well in the ranks of the federal government. Why shouldn't it be? Patronage, or the use of influence, is a practice so old in humanity and can never be completely eradicated. So, instead of negatively characterizing all political influence, let's try to ensure our leaders promote fair patronage by maximizing support of the auditor general and ethics commission. These offices, aided and prodded by an energetic media, will guarantee, as far as is possible, a fair patronage system.

Bob Ullrich, Orono, N.S.

Sniper's motivation?

It is almost impossible to believe that when you writers "gripped with questions after a bloody killing spree finally ends" they produced an article that fails to even mention sniper John Allen Muhammad's Islamic beliefs as a possible motivation for his crime ("From mad to mercenary," *Criminology*, Nov. 4).

Donald Bird, Toronto

Family snapshots, 2002

I wouldn't help but think there is a gender bias in "How we live" (*Life*, Nov. 4). In the five "families" described to representative of the way families live today, the point of



view is overwhelmingly female. Is this the real evolution of the Canadian family in the year 2002 as a feminist portrait? Bill Vinter, Toronto is Privilege Man.

An interesting snapshot of how Canadian society has changed. What a pity that old habit persists in your piece called "After a marriage fails." A kinder and more effective title might be "After a marriage ends."

Cole Gosselin, Thompson, Ont.

Shortchanged

As a Newfoundland-er living away from the beloved Rock, I want to thank you for your delightful piece about the St. John's Women's Film and Video Festival ("Shorts on the Rock," *Life*, Nov. 4). By the way, there are lots of concerns in St. John's, but you won't find them down in the very reasons you point out. Downtown St. John's is a nuisance, a veritable shrine to pubs, galleries, restaurants and theatre, not big-screen cinema. That's the way we like it.

Michael Blackmore, Toronto

I support Brian Johnson's proposal that Canadian citizens be required to include a Canadian short film along with every feature presentation. We are really moving out by keeping these little bits of enter-

tainment locked away at film festivals.

Kathleen M. Stanley, Toronto

Military specialty

John letter in the Oct. 14 issue, Douglas Hart suggests it would be nice if Canada had some military specialty that sets apart from the rest of the world ("Military might"). It does. It's called peacekeeping. What could possibly be more admirable?

Constance Brown, Indian Head

Cost of control

The idea of controlling insects through the release of sterilized males is not new ("Steering the house fly," *Health*, Oct. 28). Such a program has been successful in significantly reducing, if not eliminating, the severe worm problems along the U.S.-Mexican border. The article seems to throw cold water on Arnold Dyck's approach in Africa because the area is huge and the cost will be high; however, the area involved in the worm-worm campaign was not a "sterile island" and the cost of house fly control may be well outweighed by the loss of food production and the high cost of alternative food for people.

David Griffin, Cranbrook, B.C.

A feeling of increased uneasiness and anger overcame me as another glaring example of man's manipulation of the natural world unfolded. To eradicate this insect (as was done in Zimbabwe) to make way for farm economic gain is dangerously overstepping natural controls.

Boris Buchwald, Winnipeg

Mass construction

If International Co-operation Minister Susan Whelan's intention is indeed to "concentrate foreign spending on education and health sectors" ("Foreign spending," *Canada*, Oct. 28), then let's see at least a doubling of the program that had the greatest impact in terms of lives saved from childhood diseases: the Canadian International Immunization Initiative. And let's have full funding to fight the three major diseases on this planet: AIDS, tuberculosis and malaria. Last year, the OS countries committed themselves to halt those diseases, but adequate funding hasn't followed.

Patricia Wenden-Lambert, Montreal

Your foreign aid article may tell Canadian citizens that their government is waste-

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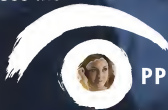
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THE MAIL

ally doing something meaningful in terms of reforming our foreign aid. After all, for almost a decade and a half of Liberal rule, the aid budget has been cut by 50 percent. The aid budget is now 0.25 per cent of GDP. By the way, Canada is now competing for last place among generous nations.

Larry Laddell, Calgary

Let there be light

It was inspiring to read about Dave Irvine-Halliday's project in "Lighting up the world" (Philanthropy, Nov. 4). He seems to have made a huge difference in the lives of individuals and isolated communities in Nepal, India and Sri Lanka by introducing his economical and sustainable lighting systems. However, it seems unfortunate that he has had to invest his life savings to achieve this success. One wonders whether some of the foreign aid distributed by our federal government could not be used to support the efforts of individuals such as Irvine-Halliday.

Elizabeth Kemp, Toronto

The work of Prof. Irvine-Halliday and his volunteers demonstrates the power of idealism and commitment when powered by engineering expertise and pragmatism. What a difference they are making! Can you print an address for more information and donations?

C. B. Graham, White Rock, B.C.

(For more information on Light Up the World, visit www.lightup.org.)

A better place?

Matthew Shaw's story "This land is my land" (Over to You, Nov. 4) was truly fascinating, showing in graphic detail the big differences between Canadians and Americans. They can be summed up in one word: attitude. Based on a Montana farm and taught to be self-reliant, the adult Shaw found Canadians "wanting the government to do everything for them" bitterly disaffected. As a Canadian over 80, I can appreciate the feelings of the Shaw family. We who grew up in the 1930s Depression, long before Canada became a welfare state, learned to be self-reliant. Today, having watched my country slowly but steadily change from second-world to World War II superpower, my "Land of the George" dream that can only be called "let George do it" nation is in visible decline. I can readily understand the anxious felt by



Light Up the World installs lamps to read by.

those Montana farm folk transplanted to piggy-back this isn't life in Canada either today! Absolutely, beyond a doubt. It is a good thing! We've paid a price that includes the self-reliance and pride of accomplishment that once marked each and every one of us.

John T. Slaughter, Beverly, B.C.

I was born and raised in the States, moved to Canadian in 1983, and lived there until just this past summer when, because I married a man who lives here, I moved back to the States. And ever since I've felt—well, homesick. It's difficult, in America, to explain to people what a wonderful place that has its own laws and customs and where—unlike Matthew Shaw—I never did feel properly at home. But then, I suspect I never will feel at home anywhere because once you embrace the notion of forgiveness, there is no self-hate, and you come to believe that all nations are equally ridiculous and equally wonderful and that supreme nationalism can be a terrifying thing.

Amy Hilditch, Los Angeles

Refugees are not all package deals that those who came here to avoid the Vietnam war see themselves as such, but these folks benefit from our open society and compassion instead of thanking us for saving their sons, the Shaws told us in the book—except for one good son who was taught the Canadian way. People in this country would benefit from hearing of others who didn't find the Canadian dream here. It would help us be

less complacent and work harder at keeping our dream.

Marion Gandy, Vernon, B.C.

As an American who has travelled quite a bit in Canada, I have long admired my neighbors' big brains. Most Canadians are decent, hard working, well-educated, broad-minded people with a view of the world that is more based on engineering, a than most Americans ever do. However, one issue that very rarely is hit is the why is our hockey so violent when it doesn't have to be?

Don Zilinski, Princeton, N.J.

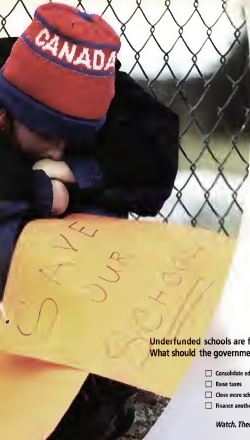
In the early and mid '60s, I was stationed at Loring Air Force Base in Maine, a major fire base on the Canadian border. Myself and others crossed to Andrews, N.B., for dinner. We learned then, and ever more so in the 1970s when we drove from Victoria to Niagara Falls with our young children, that Canada is a country that keeps its deepest joys and feelings well protected from casual outsiders. Northern Maine was like that too. But if you took the time to look and listen almost intimately, both Maine and Canada would gradually reveal their true strength and beauty to you in a way that would last forever.

Jack Bouchard, Antwerp, Va.

The way of war

"Standing up to George" by Peter C. Newman (Columns, Nov. 4) and "O'Brien and I voted" (The Back Page, Nov. 4) by Bob Levan were excellent. Although we are fond of individual Americans, I and many of my friends have become deeply concerned about the aggressive stance the U.S. administration seems to be adopting. Few of us would argue with more anti-terrorism steps the U.S. has taken since 9/11. But, in terms of human lives lost, topping Saddam Hussein, I fear, may be more costly than anyone imagines. It's odd enough to recall the Second World War, Korea and Vietnam vividly. So when I listen to all this war talk from the President, vice president and Bush appointees, let alone the way they've been attempting to bully the UN, I cringe. I was in my teens when the Second World War began and I remember the slaughter. Too many of the fine young men with whom I attended high school didn't make it home. How could anyone want that again?

Paul Robins-Jeffrey, Grimsby, Ont.



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- ☐ Finance another report on education

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MACLEAN'S BEHIND THE SCENES



A WINDOW INTO THE IVORY TOWER

As Canada's largest-ever incoming university class ponders its future, the 12th annual university rankings in this week's *Maclean's* offers the best guide to the complex post-secondary landscape.

That landscape is particularly perilous this year, given the intense competition for classroom seats. Even the brightest students must do some careful planning to get into their programs of choice, says Editor at Large Ann Dewsell Johnston (pictured above, right, with Contributing Editor Mary Dwyer), who created and oversees the rankings.

"We one knows just what to expect, including university registrars," says Dewsell Johnston, who also edits the annual *Maclean's* guide to Canadian Universities. "At the very least, we will see a matching up of marks in elite programs and a squeeze in the classrooms."

In the midst of such uncertainty, the rankings offer an educated assessment of the resources available to undergraduates at universities across Canada. Where are the small classes, the strong libraries, the smart students? Together, Dewsell Johnston and Dwyer have worked with the universities and consulting statisticians to produce a sophisticated resource for students.

Dewsell Johnston, who has won five National Magazine Awards for her coverage of the issue, interviewed students, parents and experts coast to coast. The result is an insider's view of the university crunch in the most dramatic year ever.

"After years of underfunding, access to quality is of the utmost importance," she says. "We've opened a window into the ivory tower, examining where quality has been compromised and where it's been preserved."

For further information, contact behindthescenes@maclean.ca

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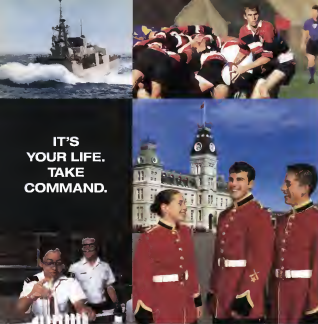
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THEWEEK



United Nations | Heading toward a showdown with Saddam

Seven days. That's how long the world is giving Saddam Hussein to make up his mind. Either submit to a UN inspection demanding that the Iraq dossier give weapons inspectors unfettered access to his country, or risk an allied military strike. "The debate about whether we're going to deal with Saddam Hussein is over," said a triumphant George W. Bush. "The time is for real—the time something happens."

The U.S. and Britain had tried to hammer out a proposal that would be acceptable to the 15-member Security Council for weeks. But France and Russia objected to resolution that specifically called for a military response if Saddam does not acquiesce. A compromise was reached in phone talks between Bush and French President Jacques Chirac. Now, the final resolution, passed by all 15 council

members, threatens unspecified "serious consequences" if Saddam does not comply. The issue of Iraq was only one element in Washington's ongoing war on terror. Another was the U.S.-Canada border, where all firms have been toughening controls. Last week, U.S. Attorney General John Ashcroft said "no country is exempt," and that Canadian citizens born in Iran, Iraq, Syria, Libya, Sudan and other Arab countries the U.S. has linked to terrorism will be photographed and fingerprinted before being allowed into the U.S. While Foreign Affairs Minister Bill Graham said he would seek clarification of the new rules, Canadian Muslims were outraged. "Yesterday it was Jews and Japanese Canadians," said Muhammad Elmoray, president of the Canadian Islamic Congress. "Today it happens to Muslims."

Writing for him, Graham (below) wants clarification from Washington about the new border clampdown.



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Yasser Arafat
His last night in support: Palestinian leaders at 98.8% vote with opposition in rare but timely display of democracy. Many have agreed with Paul Martin in months to referendum seems an eternity.

Al-Qaeda
Saddam's personal security: 98.8% vote with opposition in rare but timely display of democracy. Many have agreed with Paul Martin in months to referendum seems an eternity.

Al-Qaeda
Saddam's personal security: 98.8% vote with opposition in rare but timely display of democracy. Many have agreed with Paul Martin in months to referendum seems an eternity.

Alexis Clark
One-time civil servant from Barbados was Gillian Triggs for the *Forbidden History* of slavery and murder suit on West Indies and shows glorious north of the Canadian coast.

Yassir Arafat
His last night in support: Palestinian leaders at 98.8% vote with opposition in rare but timely display of democracy. Many have agreed with Paul Martin in months to referendum seems an eternity.

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His last night in support: Palestinian leaders at 98.8% vote with opposition in rare but timely display of democracy. Many have agreed with Paul Martin in months to referendum seems an eternity.

Quote of the week | "We believe the first prosecutions should occur in jurisdictions that provide the best laws, the best facts and the best range of available penalties"

U.S. ATTORNEY GENERAL JOHN ASHCROFT on why the Iraqi suspects will be tried in Virginia, where John Lee Mifflin, 17, could face death

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THEWEEK

Blana's 'rock' takes

Paul Burrell repeatedly said he would never divulge the royal family's secrets, gleaned from two decades of service. But then Burrell, called "my rock" by Diana, Princess of Wales, was paid \$1 million by two media outlets. The stories began flooding out: how Diana, in love with a Muslim heart surgeon named Haniot Khan, met him at the door dressed only in a sapphire and diamond jewellery and a fur stole; how Danish lovers were smuggled into Kensington Palace in car trunks. Burrell began spilling the goods after being acquitted of stealing nearly 100 items from the princess's estate. Describing a meeting with Queen Elizabeth II shortly after Diana's 1997 death, Burrell also claims she cryptically warned of danger, saying "there are powers at work in this country about which we have no knowledge." Maybe in Burrell's case it was the power of money.

Pickton's trial sputters

The case was finally set. Accused mass murderer Robert Pickton, 53, on behalf of his legal counsel in Port Coquitlam, B.C., court as the relatives of many of the 15 women he is accused of killing took their seats. But within minutes the trial stalled in a battle over legal aid funding. Because the case was complicated—the pig farmer could face further charges as more human remains are recovered from his ramshackle farm in the Vancouver suburb—defence attorney Peter Ritchie wants the province to pay for a team of 10 lawyers. The judge adjourned the case, allowing Ritchie to take the funding issue to the B.C. Supreme Court, but that hearing was also abruptly halted when Ritchie announced that he had earned two direct talks with the province. They reached a tentative deal, and Pickton's trial is now expected to resume in early 2003.

Unravelling a Titanic mystery

For years residents of Dublin played odds and bears and toys at the game of the unknown child who died along with almost 1,500 others when the Titanic sank in 1912. But DNA extracted from a tooth taken from the icy waters' entrained corpse has revealed that the dead boy is 13-month-old Ewa Wilam Parula. The discovery was part of a four-year effort that included taking DNA tests from the living relatives of people who sailed on the doomed ship. DNA taken from 68-year-old Finnish-born Ewa's daughter

Census | Seeking shelter

Every five years, Statistics Canada takes a snapshot of the country, counting everyone in their "usual place of residence." But how to count the homeless? On the night of the census, May 14-15, 2001, Statistics Canada workers went to shelters and reported that 14,415 people spent the night (included are 800 people found in an unsolicited survey of parks and soup kitchens). Though the numbers, reported for the first time, do throw some light on the homeless situation, Statistics Canada cautions that the figures don't include the vast majority of homeless people living on the street or in buildings not officially classified as "shelters."

WHO'S WHO IN HOMELESS SHELTERS, BY AGE



SOURCE: STATISTICS CANADA

confirmed that Ewa was the son of a first cousin, who died along with all five of her sons while they were en route to meet her husband in Pittsburgh. Schleifer said that, as a child, she was told the heartbreaking story of how Ewa's mother refused to board a lifeboat because she was looking for her sons. "Now it was not just a distant story," she said and wept as Ewa's grave lay nearby. "It came nearer. It makes you sad."

Talking, but not face to face

It seems everyone in Toronto wants to talk about race relations—they just don't want to sit down together. Former Ontario chief justice Charles Duffin was supposed to hold an inquiry into how the Toronto police treat racial minorities, after a series of articles in the Toronto Star suggested they deal more harshly with blacks than whites. But Duffin pulled out after Toronto Police Chief Julian Fantino said he was launching his own internal inquiry. An earlier investigation of 34 black community groups, meanwhile, argued that race relations have already been extremely strained in the city and refused to meet with either Fantino or Duffin. That

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leaves former Ontario lieutenant governor Lincoln Alexander, the first black to hold the post, to resolve the issue. Alexander, who stepped into the fray on his own, wants to finally get all the parties together sometime before the end of the year.

Rule Britannia

British forces captured the 420-in high Rock of Gibraltar from Spain in 1704, and the Spanish have been unsuccessfully trying to get it back ever since. They got no closer last week, when a proposal to place Gibraltar under joint Spanish-British rule—the result of negotiations between Madrid and London—was rejected by nearly 99 percent of the 21,000 people who voted. “Today Gibraltar Votes No” blared a front page Gibraltar Chronicle headline. Across the old garrison town, buildings were bedecked with Union Jacks, and plastered with posters reading “Give Spain No Hope.”

Big Mac goes slack

McDonald's Corp., the company that loves to supervise, will downsize a bit, Jack Greenberg, the fast-food chain's chairman and CEO, said it would close 175 restaurants in 10 overseas countries, and restructure its fast-food operations in seven countries in the Middle East and Latin America. Canada will not be affected, however. Canadian CEO Bill Johnson said the company will open more than 100 new restaurants across the country next year.

hushh to the polls

Prime Minister Ariel Sharon called an election for Jan. 28 that could take Israel's politics further to the right. The political crisis was triggered on Oct. 30 by the Labour party pulling out of Sharon's coalition government over the continued expansion of Jewish settlements on the West Bank. Sharon tried unsuccessfully to put together a new coalition before setting a date for the vote. He now faces a stiff challenge from former prime minister Benjamin Netanyahu, who is expected to run against Sharon for the leadership of the Likud Party prior to the January vote. Netanyahu wants to take an even harder line against Palestinians.

Facing death in Virginia

In an attempt to ensure that teenage sniper suspect John Lee Mollo, 17, faces the death penalty, he will stand trial with John Allen



Hockey | Rink rage in the courts

Hockey parents are back at the news, clogging the courts with lawsuits. Across the country, suits have been filed over kids not getting enough ice time or being cut from teams. And now, Michael Croteau of Lameque Island, N.B., is suing the minor provincial hockey association and its Triple-A team, demanding that they overturn a vote by the league's nine head coaches that gave the most-welcome player prize to someone other than his son, Steven. Croteau is asking for \$200,000 in psychological and punitive damages for Steven, who he insists is a smart, deserving MVP because he scored more points than the boy who won.

But Mollo's parents should keep their heads up. In Ontario Superior Court, Madam Justice Pamela Thomson delivered a thoughtful decision on a Mississippi couple's suit, on behalf of their nine-year-old son, John (above), sued an opposing minor-hockey coach. Sam and Gracie Hilde claimed that during a heated post-game argument in July, 2005, the defendant threatened to "just a [expletive]" on John's head. The coach, Peter Hagley, admits he swung at the boy—but he later apologized—but says he never intended a bawling. Madam Justice Thomson dismissed the suit, calling it a "bad move" that should never have been taken to court.



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THEWEEK

Muhammad, 41, in a Virginia court. Mahmood is accused of murdering Dean Harold Meyers in Oct. 9 while Meyers was pumping gas in Manassas, Va., while Mahmood is alleged to have shot Linda Franklin, 47, an FBI analyst, on Oct. 14 while she was putting packages into her car in Falls Church, Va. The pair, who will be tried separately, are suspects in a total of 13 shootings in the suburbs of Washington, 10 of them fatal. In Virginia, unlike Maryland or the federal court system, Mahmood could be executed if found guilty, even though he is a juvenile.

Assault and punishment

Lucille Poulin, 76, a former Catholic nun, was sentenced to eight months in jail for assaulting children in the religious community she presided over on Prince Edward Island. During Poulin's trial last month, five children who were under the age of 12 when the abuse took place in the 1990s testified that Poulin had regularly beaten them with a wooden paddle and forced them to work long hours. In sentencing Poulin, Justice David Jenkins of the P.E.I. Supreme Court said "people cannot assault children without criminal law consequences."

Out of the Pit

For more than a troubled 15 months as chairman of the U.S. Securities and Exchange Commission, Harvey Pitt ignored the First Rule of Holes—when you are in one, stop digging. Finally, he got in too deep, and on mid-term election night, he resigned. The

and came after the disclosure that William Webster, Pitt's choice to lead a new board overseeing accountants, had headed the audit committee of a company accused of fraud. Pitt had withheld that information from his fellow SEC commissioners until after they approved Webster's appointment. The political firestorm resulted in four investigations of Pitt's actions, including one by his own agency (sparkling an already classic *Wall Street Journal* headline, "Pitt Launches SEC Probe of Himself"). It was the last gaffe in a string of judgment errors—he was already under criticism for his slow response to market crises fuelled by the collapse of Enron, WorldCom and Tyco

Zapping those bills

After raising consumer anger over high electricity bills, the Ontario government said it would bring in measures to take the sting out of deregulation. The program was expected to include rebates, initially averaging \$45 per household. The government's electrical strategy has been in crisis since Agincourt, when the courts halted the privatization of Hydro One Inc., the provincial transmission company. Ontario went ahead with electricity price deregulation in May. But summer heat and growing power demands resulted in wide power fluctuations on the spot market. Bills for some households tripled. But the rebate program may not take consumers for long—forecasters are for more energy shortages in Ontario next year.

BY ASLIN



Passages

AWARDED: Azzin Clarke, the Toronto-based author of *The Patchwork Rose*, won the \$25,000 Oller prize for Canadian fiction. Born in Barbados, Clarke, 46, has written nine novels and five short story collections. *The Patchwork Rose*, which takes place in 24



hours, is the story of a woman confessing to the murder of her employer. The other women shortlisted for the award were Carol Shields, Wayne Johnston, Lisa Moore and Bill Canton.

AWARDED: Last year, Quebec's Cagney Robert Piché guided an Air Transat flight—carrying 300 people—to safety in the Azores after it ran out of fuel. Piché, who was recognized as a hero, had trouble coping with the celebrity and checked into an alcohol treatment center. He's now back at work. Last week, Piché, 50, received the Medal of Honour from the Quebec National Assembly.

CONVICTED: Winona Ryder, 31, was found guilty of grand theft and vandalism by a jury in Beverly Hills, Calif. The twice Oscar-nominated actress was caught taking \$385,500 worth of goods from a Delta Hotel restaurant last December. Prosecutors say they will not seek jail time. Ryder's lawyer says he'll file a motion for a new trial.

INDICTED: It's fitting that hockey stars Ted Lindsay and Carl Brewer would be named to Canada's Sports Hall of Fame at the same time. Lindsay, a winger, spent his life in a failed attempt to form a NHL players' association in the 1950s. And before he died, Brewer, a defenceman, helped reduce players' pension money from tens of millions in 1992. Also joining the hall last week were speed skater Nelsville Lambert, football player Jim Young, track coach Geoff Gowans and the late NHL defenceman Tim Horton.

DIED: David Jolley was an engineer and geologist before moving to the business of news. In 1986, he became publisher of the *Toronto Star*. He left the paper six years later and worked as president of the Canadian Press news agency for less than a year. Jolley, 66, died of a heart attack at his cottage near Toronto.



Politics | Power games

Jean Chrétien had a few words for fellow Liberals the day after suffering an embarrassing defeat in the House last week. Calling the vote on whether he will continue to wield the whip hand in dividing the chairs of parliamentary committees "divisive and harmful," the Prime Minister in effect told his caucus: "Let's not do it again." But the admonition may have raised the whole point of the exercise. When 56 Liberals, most loyal to Paul Martin, sided with the Canadian Alliance to pass a motion requiring committee chairs be selected in a secret vote, the MPs were sending a message about nominating prime ministerial control. It was "Let's do this again and again."

Most Canadians will hardly take notice of the change. The party that holds the majority in the House will continue to vote one of its own to the chair of the 20 or so committees that review government legislation—it just won't necessarily be the candidate the Prime Minister favours. Ironically, the new

rules also mean the official Opposition (currently the Alliance—won't always hold the vice-chair post, as the Alliance drove hard to suggest. Already, Liberal majorities in five committees voted the secondary job to members of another opposition party).

Last week's mini-messy was yet another indication that, since Chrétien announced his intention to step down in February 2004, power has increasingly ebbed away from him. What will he do to hold on? According to sources last week, during the course of a cabinet meeting Chrétien threatened to call a snap election—which would see him leading the party through the campaign and perhaps even stepping on Chrétien's also-phased-down-to-a-joke. But Macleod has learned that, during the late summer, the PM did toy with the notion of calling a snap election in order to thwart Martin's leadership ambitions and reassert his own authority. In talks with loyalists, though, he said he could not be sure that Gen. Gen. Adrienne Clarkson would grant his request for a dissolution: she could instead ask if

Chrétien was not happy with the results of the vote, and has toyed with the idea of a snap election to thwart Martin's aspirations.

anyone else (maybe Martin) was able to form a government. In the old days, Chrétien reportedly said, he could have relied on former governor general Roméo LeBlond, a Chrétien loyalist, to grant his request.

The winner in the affair turned out to be Martin, not the least because he was committed to play the game. If he had crumbled and voted against the motion, the Alliance could have portrayed him as lacking conviction. As it was, the former finance minister won the first to vote—in favour. But Chrétien loyalists cautioned that Martin will live to rue his victory: how are you going to keep the backbench in line once they've tasted freedom? Martin supporters argue that when the government's agenda is not challenged, you shouldn't try—to get used to the new reality where MPs voting their conscience are not seen as mutinous.

JULIAN BELLERME IN OTTAWA

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THE UNIVERSITY CRUNCH

More students, not enough places: that's the challenge thousands of teenagers face as they begin to make their applications—and Ontario's double cohort is just part of the story. ANN DOWSETT JOHNSTON offers an insider's guide to the admissions game.



IT'S 2:45 on a soggy September afternoon in downtown Toronto, and the cab driver is scratching his head. For five minutes straight, we've been stuck—snatch dab—between two big yellow school buses: one dead ahead of us, one right behind, going nowhere fast. Now it's 2:50. The meter's still chugging, and we've barely budged. "What can I say?" he shrugs, taking a slug of cold coffee. "It's Friday."

OK, it's Friday. But that's a bore. Upbeat, as far as the eye can see, a more of the same bus after bus after bus, all making their way to the same single entrance, all packed to the brim with teenagers. "Don't know what the fuss is about," he grumbles, checking his comb-over in the rear-view mirror. "Must be a rock concert." He blinks with a tooth-pick. "Brought two kids from Union Station an hour ago. Same damn thing. Sat here for 15 minutes. Never seen anything like it."

And you know, he was right—about the bus part, anyway. Here they were, like a prophecy come true: bus after bus full of teenagers. All roughly the same age, all spilling into the Metro Toronto Convention Centre, transferrings from master of hours into the World's Biggest High School. Guardians of teenagers, making their determined way past the workers at the entrance, past the lovers nuzzling in the foyer, crowding down the escalators on a Friday afternoon.

When the driver wasn't right about, of course, was the rock concert part. Not even close.

No, what drew a record crowd to the Metro Toronto Convention Centre in late September was something more serious. Here, right before our eyes, was the notorious double cohort, checking out their chances at the Ontario Universities' Fair. After years of government projections about this group, here was the much discussed double cohort of Ontario high school seniors, the ones crunched together as a result of the

province's decision to eliminate the fifth year of high school next year. Here they were, lining up for lost bags, collecting their new books, gazing earnestly for programs and scholarship advice. Baby-faced boys in blazers and bigger ones baggy-panted and hoodie-dancing girls, pierced or pierced, or bare-chested in Abercrombie & Fitch all went after the same thing. Normally, some expert guidance on playing rational charts—the academic version, that is. Where would there be a test available, a good seat that had their name on it, for September, 2000?

Help was what they were after, and help was at hand—lots of it. A Disneyland of choices rose upon rows of brightly colored tents into booths, staffed by cheery uniformed reps, each wearing their university's colors, each prepped for the occasion. At one end of the fair, Queen's University had ingeniously transported Kingston, Ont., to Toronto here. Woven up in living colour along one huge wall, was University Avenue, the academic main drag, replete with limestone buildings, lush boulevards and majestic trees. Past you were there. In front were real park benches for parents and students to rest on, a place to discuss the serious business of marks and scholarships and what it would take to get in. Meanwhile, in the centre of the fair, Niagara was using its level best to spin numbers. "Picture yourself at Niagara!" blared its billboard, and kids were lining up to do just that: getting their photo taken against a backdrop of the North.

Still, for all the gloss and guidance and goodwill, there were many questions far which even the most seasoned regurgitate didn't have answers. Take George Granger, head of the nation-sourced McMaster team. "Hello," said a round trooper of a woman, smiling up with two gangly teenagers at her side. "My name is Lisa, and we want to know what the process is to apply to engineering

In their search for the right undergraduate fit, the Schindlerman family is looking from coast to coast.



at Niagara? You know, you've got all our ducks in a row. What will the cut-off be, exactly?" Granger began diplomatically. "Well, it's pretty hard to predict what the cut-off will be next year." "It's looked rafted," "Well, don't you know?" he's there someone who can tell me?"

ELIAS QUESTION, of course, is the million-dollar one this year. What will the cut-off be for this second-year crowd, heading to university in 2004? Where are the seats? The scholarship? The residence beds?

And while Elias and her sons are asking these questions, so too are hundreds of thousands of parents and students of secondary country. Yes, the double cohort is an exceptionally urgent and compelling problem. Ontario is home to roughly 40 per cent of Canada's students. Just last month, the provincial government adopted as earlier projection about the number of students heading to university next fall. On top of the 65,294 they had already assumed for, they now expect there will be a further 6,300 to 12,000, depending on how many qualified students vote with their feet. This news—surprising after the 36 per cent rise in applications for this September—has added a



The double cohort crowds at the Ontario Fair offered an early snapshot of what it to come

new layer of anxiety to an already difficult situation. While the government is making sweeping noises about ensuring access to all "qualified and motivated" students, the obvious question is: access to what?

Now, the easy answer might be: why don't they take the geographical cue? Certainly there will be students who head out of province, and there are many schools wooing them. Particularly eager are the Atlantic universities. Last week, for instance, the University of New Brunswick mailed 25,000 Web letters to Ontario students, launching a contest for 10 prizes, the grand one being a year's free tuition.

So, they'll all find university spots in other provinces, right? They'll head west to UBC and east to Dal, and the problem will be solved? Wrong, and for a number of reasons. First of all, it's a financial challenge for many students to leave their home region. In the past 20 years, the student mobility rate in Canada has been extremely low, hovering between seven and eight per cent. Secondly, Ontario is only one of three provinces facing a huge demographic chal-

lenge when it comes to university-based students. Both British Columbia and Alberta are witnessing enormous growth, and will do so for a number of years.

In prosperous Alberta, where the demand for education is high, the government cancelled its Access Fund this spring, a program established in 1995 to foster targeted post-secondary growth. This year, the University of Calgary's cutting-in budget by two per cent, and has decided to limit its undergraduate enrollment growth to 37 students next fall. Meanwhile, the University of Alberta is facing a similar tough decision. While deciding whether to cut its budget by 4.4 per cent over the next four years, it increased its first-year intake by 11 per cent this fall. With a huge winning lot for residence space, the university is fast-tracking two 400-bed buildings. "We can't sustain the rate of growth," says Doug Owens, vice-president, students. "We've got no money for these students, beyond tuition. There is a reality here. In the past 11 years, we have added 5,000 students, and we have 100 fewer faculty. Either the government gives us funds or it will be harder to get into U of A next year."

Meanwhile, British Columbia—the

province with the lowest number of university spaces per capita—is in an especially difficult position. To match Ontario's rate, it would have to almost double its university seats, adding 33,000 to its current 65,000. Internat students have been soaring in that province, and will continue to do so as the pool of bright students grows through 2005. UBC has declared that it will make only marginal increases, if any, to its incoming class next fall. And over the past three years, it took care of 2,995 unfunded undergraduates—meaning students for whom the university receives no government grant money.

If the geographical cure isn't plausible for most, neither is the gap year solution. This is not a one-year problem. What has caught most of the number crunchers off guard is the good—and challenging—news that university participation rates are on the rise, even in regions with declining population. Take Newfoundland: over the past four years, its population has dropped by nine per cent, but university enrollment is up by four. Similarly, Quebec's population, down four per cent, university participation, up 13.

The truth is, Canada has absorbed the message that continuing to university is cooler than attending high school in undergraduate enrollment growth five times higher than the growth in population. Over the next 10 years, the country is expecting another 200,000 students in a university system that currently accommodates 645,000. "People have to stop thinking about this as being demographically driven," says Herb O'Hara, senior analyst at the Association of Universities and Colleges of Canada. "It's very, very simple: people want an education. Should we worry about building a system that's too big? Not when we have a lot less than 10 years of growth ahead of us, folks."

As our neighbors have said: "It's the economy, stupid!" In a knowledge economy, where brains are the commodity on which we compete, access to university education is seen to key in prosperity. Consider this: 15 per cent of Canadians—nearly, those over 18 with university degrees—contributed a third of the votes in this country. Between 1990 and 2001, 1.1 million jobs were created in Canada for those with a university education. In the same time frame, an equal number have disappeared for those who hadn't finished high school. Address the university capacity crisis—and the quality issues—and Canada would all stand



Kaplan student O'Neill fears it will be twice as hard to win a national scholarship

BUT FOR THE BABIES of the well-educated baby-boom, going to university was easier than mere vocationalism. Students understood that this journey of a much different kind. Just ask Myra Gaudreau. At 19, the Montreal native freely admits that he hasn't a clue what he wants to do. OK, he has a clue, but his preference changes week to week. On the short list? Being an aerospace engineer, a research biologist, or a social engineering researcher building self-healing structures made out of living material. Or how about an environmental epidemiologist like Indiana Jones?

A multiple scholarship winner with a graduating average of 95 per cent, Gaudreau went shopping for the most interdisciplinary program he could find, considering Dalhousie, McGill, Queen's and UBC. The search was interrupted, however, at UBC. "I was looking for a program that would let me put everything that I was into," says Gaudreau, who has touched into biophysics, cell biology, linguistics, philosophy and much more. Happily recruited in the Thetis Park residence, where

the company is wonderful but "the food is awful and expensive," Gaudreau has already signed up for volunteer work on the Downtown Eastside. Even with \$10,500 in scholarship money this year, and \$3,500 saved over the summer, he's careful with his pennies. "I've learned a lot—I now know what food costs, and shampoo, stuff you never used to look after." For the moment, he's awaiting what he believes will be the first of eight or nine years at university, years that may include Caltech or MIT at Harvard. "I've heard a lot of talk about it," says Gaudreau. "When I know exactly what I want, I'll ask for help."

Unlike O'Hara, O'Neill (19) isn't quite so sure exactly what he wants. After earning a 95-per-cent average in his first year—and 99.99 in calculus—at Toronto's Trillium School of the Arts, the 19-year-old was offered a scholarship when he applied to health sciences at the University of Toronto. But Briscoe's dream is to be "everybody's dad." "You have great motives, you should be a doctor." But I didn't want to settle for something that didn't make me happy. When I'm engaged, I know that is the whole idea. I want to do it. It would make me sick if I didn't do it." After Briscoe's father died a year ago,



finances were a challenge. But when she learned that she had won the Canada Millennium Scholarship Foundation's National Excellence Award, worth \$4,800 and renewable for three years, Brasse decided to follow her heart. "I wanted to be in a city, but close to nature. I wanted a school with high standards, an excellent breadth of programs and exciting opportunities. Most of all, I wanted an adventure." Now enrolled in first-year arts at UBC, where she also has \$2,500 entrance scholarship, she plans to audition for the bachelors of fine arts in acting program next year. For the moment, she has been cast in a production of *Antigone* at The Hive and has bought her \$380 season's pass to Whistler—"definitely worth the upgrade," she says, having just returned from an overnight stay at UBC's Fairmont Lodge for the Ski and Board Club's Malawian party. "No one got more than a couple of hours of sleep."

WHAT GALLOUREAU AND BRASSE ARE ON Getting acceptance from Annela Purvis and almost all of her friends applied to. And for that very reason, Purvis, 16, fired the Ontario Universities' Fair "terrifying" with

Arcticist and Geoduck with UBC zoologist Goss, OCAE CASE, Professor of the Year

grades in the high 80s and low 90s, the Kingston student plans to study biochemistry at "a prestigious sciences school"—McMaster, Guelph, U of T or McGill, her first step in becoming a cancer researcher, a dream since her dad died of the disease three years ago. "The McMaster faculty really scared me because they said that the entrance for health sciences was 88 per cent, and it's just about as high for U of T as well. I was so overwhelmed that I started to cry." To make sure she keeps her high marks, Purvis has abandoned her volunteer work. In fact, she's given up just about everything except studying for her science courses in highland dancing, and studying for school. "There was a big dance last week," she says wistfully, "and I stayed home. I felt like such a loser, but a lot of my friends are doing the same. If we get together, we study physics."

In Vancouver, Tegen Moss, 17, says she and her peers at Palm Grey Secondary School in Vancouver are "under a ton of pressure. I'm missing the basketball team, and I'm on the grad committee. But it's a lot hard

er this year because marks are a big deal. It's pretty sad when kids with an 84-per-cent average are talking about not being able to go to university at all."

So let's cut to the chase: how real are their fears? What will the cut-off marks be next spring? As Annela Purvis knows only too well, that depends on where you went to go to university, what program you're applying to and—the billion-dollar question—how many others you're competing against. In British Columbia, Alberta and Ontario, the three provinces facing the major student growth—marks will definitely inchet upwards as a larger pool applies.

Here's a snapshot of the competition that students faced at three universities this past spring: there were 11,331 students vying for 1,516 first-year spots at the University of Victoria, 16,757 applicants for 4,466 spots at the University of Alberta, 26,000 vying for 3,000 first-year places at Queen's. At McMaster, George Granger's enrolment targets were all filled by July 1. Any student who had been hoping to get into admission by applying their marks at summer school was out of luck.

"There's no doubt that some of the pathways are narrowing," says Granger, whose

team handed out more than 20,000 pieces of admissions information at the Ontario Universities' Fair and then more so. "In my 23 years, I've never seen anything like it. My advice? Oh all years, this is the one when getting good grades is of maximum importance. If you've been on two marks, move to one. This is just the way life is right now."

If this is a year that challenges parents and students, it's safe to say that even the most seasoned registrars are guessing, as well. Take Jo-Anne Brady of Queen's. Her university, like every other in Ontario, has signed an agreement with the province to take a certain portion of the docile cohort. It is her job—using art, science, gut instinct or all of the above—to make off-the-right students and make sure that they show up in just the right numbers next September. Her target: increasing the incoming class by 200—no more, no less.

Given the legitimate sense of competition, it's likely that every good student to whom Queen's makes an offer will have other good offers as well. What could those Emily's numbers offer be as no-show students who accept Queen's and a university in a different province, such as McGill, and wait until summer to make a final choice. And there are other variables. How many out of province students will decide not to apply in Ontario because of the double offer? "This year," she says, "there's more at stake, and it's cluttered with uncertainties. The pressure's really on."

At McGill, where more than 20,000 students applied for fewer than 5,000 first-year places this fall, registrar Robin Giller is clearly aware of the effect of the double offer. While her university has made no specific offer to second-mate a specific proportion of that group, she acknowledges that the "Ontario part of our out-of-province pool" has grown disproportionately bigger over the past three years, and will continue to do so. Her concern is similar to Brady's. "Am I their first-choice school or their safety net? By the time you actually know, it's very late in the game."

One of Giller's challenges, and Brady's as well, will be a shortage of scholarships with which to woo the best and the brightest. Meanwhile, the number of major national scholarships has not significantly increased. Michael O'Neil has been seen as winning the Canadian Merit Scholarship, the Cana-

What marks did first-year students need this fall?

Here is a sampling of cut-off marks for admission this fall, in both general arts and sciences as well as more competitive programs—many of which require superb mastery applications or assess strict prerequisites. The cut-off mark is the lowest grade average of any student admitted, taking extenuating circumstances.

BRITISH COLUMBIA

The University of British Columbia (UBC)

Arts	70%
Science	69%
Engineering	67%
Business	67%
Law	70%
Medicine	70%
Pharmacy	70%
Education	70%
Health Sciences	70%
Life Sciences	70%
Chemical Engineering	70%
Engineering Science	70%

University of Victoria

Arts	61%
Science	61%
Engineering	61%
Business	61%
Law	61%
Medicine	61%
Pharmacy	61%
Education	61%
Health Sciences	61%
Life Sciences	61%
Chemical Engineering	61%
Engineering Science	61%

ALBERTA

University of Alberta	
Arts	59%
Science	59%
Engineering	59%
Business	59%
Law	59%
Medicine	59%
Pharmacy	59%
Education	59%
Health Sciences	59%
Life Sciences	59%
Chemical Engineering	59%
Engineering Science	59%

SASKATCHEWAN

University of Saskatchewan	
Arts	57%
Science	57%
Engineering	57%
Business	57%
Law	57%
Medicine	57%
Pharmacy	57%
Education	57%
Health Sciences	57%
Life Sciences	57%
Chemical Engineering	57%
Engineering Science	57%

MANITOBA

University of Manitoba	
Arts	63%
Science	63%
Engineering	63%
Business	63%
Law	63%
Medicine	63%
Pharmacy	63%
Education	63%
Health Sciences	63%
Life Sciences	63%
Chemical Engineering	63%
Engineering Science	63%

ONTARIO

University of Guelph	
Arts	59%
Science	59%
Engineering	59%
Business	59%
Law	59%
Medicine	59%
Pharmacy	59%
Education	59%
Health Sciences	59%
Life Sciences	59%
Chemical Engineering	59%
Engineering Science	59%

QUEBEC

McGill University	
Arts	72%
Science	72%
Engineering	72%
Business	72%
Law	72%
Medicine	72%
Pharmacy	72%
Education	72%
Health Sciences	72%
Life Sciences	72%
Chemical Engineering	72%
Engineering Science	72%

NEW BRUNSWICK

University of New Brunswick	
Arts	70%
Science	70%
Engineering	70%
Business	70%
Law	70%
Medicine	70%
Pharmacy	70%
Education	70%
Health Sciences	70%
Life Sciences	70%
Chemical Engineering	70%
Engineering Science	70%

NEW SCOTIA

Acadia University	
Arts	68%
Science	68%
Engineering	68%
Business	68%
Law	68%
Medicine	68%
Pharmacy	68%
Education	68%
Health Sciences	68%
Life Sciences	68%
Chemical Engineering	68%
Engineering Science	68%

NEWFOUNDLAND

Memorial University of Newfoundland	
Arts	72%
Science	72%
Engineering	72%
Business	72%
Law	72%
Medicine	72%
Pharmacy	72%
Education	72%
Health Sciences	72%
Life Sciences	72%
Chemical Engineering	72%
Engineering Science	72%

PRINCE EDWARD ISLAND

University of Prince Edward Island (UPEI)	
Arts	65%
Science	65%
Engineering	65%
Business	65%
Law	65%
Medicine	65%
Pharmacy	65%
Education	65%
Health Sciences	65%
Life Sciences	65%
Chemical Engineering	65%
Engineering Science	65%

NEW BRUNSWICK

University of New Brunswick	
Arts	70%
Science	70%
Engineering	70%
Business	70%
Law	70%
Medicine	70%
Pharmacy	70%
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Medicine	72%
Pharmacy	72%
Education	72%
Health Sciences	72%
Life Sciences	72%
Chemical Engineering	72%
Engineering Science	72%

was also a member of the Southeastern Ontario District Health Council, a regional group that advises the province on health care planning. "It's going to be twice as hard to get a scholarship this year," says O'Neil. "In other years, your marks would be exceptional, but now there's pressure to get

And by that she means: the women on

Access to one thing. Access to quality is an other, as Mark Weinstein's 19 students are learning after spending three months at his new Undergraduate Semester in Dis-

And that's the problem: Winsor's course is a wonderful aberration. So is the innovative Science One program at UBC, an interdisciplinary program that places 24 students in a class with four professors. This year, the co-founder of that program, Lee Giss, was named CCA's/CISSA Professor of the Year. The much celebrated UBC zoologist is a huge believer in what he calls active learning. "University isn't about 'give me the formula and I'll solve the physics problem,'" says Giss. "It's my responsibility to make sure people learn, and sometimes

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Simon Fraser's Winston (centre) helps foster debate with his new undergraduate seminar

the means of learning. Gacaca come into Science One and get their socks blown off by 17 year-olds who have pangs on their faces and ask questions that no one has the answer to. Get those students into a second year lecture hall of 400, and you can't get the bums to shut up."

Science One is a very expensive little program with great payoffs. Exactly the kind of learning environment that most students have never experienced, and are unlikely to in the near future, especially with current funding. In an interview with *Maclean's* last week, Ontario's Minister of Training, Colleges and Universities, said she was "tremendously optimistic" that there will, indeed, be enough places for students in the province next year, including those who weren't factored into the earlier projections. Said Cunningham: "If those 70,000 students come, the universities will still get full average funding. I guess honestly don't know what they're worried about."

What the universities are worried about, and parents should be too, is the ability to give those students the education they deserve. In constant dollars, the average fund-

ing per student in Ontario has been decreasing for many years, and with mingled demand for new faculty, proper renewal can-

A Message in the Rankings

When you examine the shifts between the 1995 rankings and the current ones, there is both good news and bad. The good news: spending on scholarships has soared. The bad? Faculty numbers are down and—no surprise—so is the number of first-year classes taught by tenured faculty.



All figures represent the percentage change between the 1995 and 2000 surveys, reflecting data from the 1994-1995 and 2001-2002 academic years.

not take place. Even with full average funding, classrooms will still be more crowded next fall. "Quality is our overriding concern," says Bill Leggett, principal of Queen's, "and there is nothing ethical about accepting students into a degree of diminished quality. We have a signed agreement on our contributions to taking the double cohort. All our planning for 3½ years has been based on the original projection, making sure we have the faculty in place. The implications of taking extra students are profound."

The truth is, you can crack out students at any price, but what do you get? Young people want an education, and Canada wants—no, needs—there to be well educated. This fall, with an increase of more than 40,000 students, Canadian universities experienced their biggest year-to-year enrolment increase ever. Next year's demand will be bigger still. If we're lucky, these babies of the baby boom generation will continue to flock to university bars, will hang on the post-secondary door—and be welcomed into a rich learning environment. The promise of a good education is something these students have grown up with. Now is the time to deliver.

Watch film *Acad: Paul Mark Rendall, Katherine Board and David Wright*



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...LY'S STUDENTS LEARN FROM SOME OF THE
WORLD'S FOREMOST MINDS, IN AN
ENVIRONMENT THAT ENCOURAGES
IMAGINATION AND INNOVATION."

- Gordon Tessema,
Chair of the Joint of Governors,
University of Saskatchewan

Cover | UNIVERSITY RANKINGS | Methodology

Ranking Canadian universities | The Maclean's ranking takes a measure of the undergraduate experience at Canada's public universities. ANN DOWSETT JOHNSTON and MARY DWYER explain the methodology behind the annual survey.

How the process unfolds

It has now been 11 years since Maclean's launched its first survey of Canadian universities, a top-to-bottom ranking of 46 schools. That 1991 ranking was controversial, to say the least, while it sold out in a matter of days, the university community reacted with howls of outrage. According to many, the methodology was flawed. In 1992, editors at Maclean's began a five-month process, travelling across the country to meet with university officials and educational experts. The challenge? To design a more sophisticated, more sophisticated ranking, a prototype to build on for years to come. What emerged were three rankings, comparing universities in peer categories. Thanks to the continuous involvement of the university community at large, the new rankings all fitted a much clearer window into the ivory tower—a window that has become increasingly important over time, as the landscape has shifted.

The Maclean's rankings now a year-round exercise, and we remain grateful for the input and wise counsel of members of the university community. One of the hallmarks of the exercise has been continued dialogue with our partners, the universities themselves. Together, we have improved the exercise on an regular basis. This year, Maclean's made a significant adjustment to the classification, and that better captures the reality of the student experience.

How is the ranking done? In June, we collect a 17-page questionnaire to the universities. At the same time, more than 7,500 representatives across the country, and international student and faculty boards are collected from the administering agencies. Throughout the fall, editors spend several weeks collating and checking the data. Consulting statisticians from Maclean's Scientific Ltd. perform the final calculations and produce the ranking.

How we place the universities in peer groups

Using such factors as research funding, diversity of offerings and the range of PhD programs to define peer groupings,



Maclean's places each university in one of the following three categories:

PRIMARILY UNDERGRADUATE

Universities largely focused on undergraduate education, with relatively few graduate programs.

COMPREHENSIVE

Universities with a significant amount of research activity and a wide range of programs at the undergraduate and graduate levels, including professional degrees.

MEDICAL/DOCTORAL

Universities with a broad range of PhD programs and research, as well as medical schools.

In reporting to Maclean's, universities include all full-time and affiliated institutions. The magazine does not rank schools with fewer than 1,000 full-time students or those with a strictly religious or specialized mission.

How we evaluate

The universities in the three categories are treated in separate but equal. Maclean's ranks the schools on a range of factors across broad groupings (weightings are in parentheses). Initial, Primarily Undergraduate universities are ranked on 21 performance measures.

Shipping in at the library at the University of New Brunswick.

Comprehensive universities on 22 and Medical/Doctoral universities on 23—resulting in slightly different weightings for some performance measures.

STUDENT BODY (21% to 22% of final score)

Students are credited by the impact of their peers. For that reason, Maclean's collects the incoming students' average high-school grades (71%), and the proportion of those with averages of 75 percent or higher (3%).

This count includes only those students whose secondary school averages or CEGEP scores served as the basis of admission. Mature students, for example, are excluded. As well, it should be noted that certain universities, in the spirit of accessibility, accept students with lower grades.

As a measure of learning power, we count the proportion of one-of-province students in the first-year and undergraduate class (1.3%). The percentage of international students in the first-year undergraduate class (0.5%) is measured as well, acknowledging the growing initiative to attract students from abroad and the benefits such diversity brings to the classroom. The percentage of international students at the graduate level (1%) is also measured for Comprehensive and Medical/Doctoral universities.

The student body section also includes graduation rates (2%), the percentage of full-time undergraduate students in their second year who go on to graduate from

the institution within one year of the reported time period. In addition, Maclean's editors data on the success of the student body in winning national academic awards (3%) over the past five years.

CLASSES (17% to 109%)

The rankings embrace the entire distribution of class sizes at the first and second year levels (75%) for Primarily Undergraduate universities, 7% for the other two categories, as well as the third- and fourth-year levels (75%) for the Primarily Undergraduate category, 7% for the others. Class size ranges are as follows: 1 to 25, 26 to 30, 31 to 100, 101 to 250, 251 to 500, 501 and higher.

This year, Maclean's made a significant change to the methodology employed. Previously, the number of classes in each class size range was counted. Now, in order to better reflect the students' experience in the classroom, we are counting the number of students in classroom each class-size range.

Maclean's also ran corrections to the percentage of first-year classes taught by retired and adjunct track professors (5%), a measure of how much experience new students have to tap faculty.

FACULTY (17%)

The rankings assess the caliber of faculty by calculating the percentage of those with PhDs (7%) and the number with national awards (2%). In addition, the response measures the success of eligible faculty in securing grants from each of the three major federal granting agencies: Social Sciences and Humanities Research Council of Canada, Natural Sciences and Engineering Research Council of Canada, and the Canadian Institutes of Health Research, as well as the Canada Council. Maclean's sales rate as percent both the number and the dollar value received last year. Social sciences and humanities grants plus Canada Council grants

(5.5%) and medical/science grants (3.5%) were added to expense indicators.

FINANCES (12%)

This section examines the amount of money available for current expenses per weighted full-time-equivalent student (3.3%), as well as the percentage of the budget spent on tuition services (4.5%) and scholarships and bursaries (4.3%). When presenting their general operating budget, institutions disclosed any funds used to pay off debt.

LIBRARY (12%)

This section assesses the breadth and currency of the university's collection. Schools are scored points for the number of volumes and volume equivalent per number of full-time equivalent students (4% for Primarily Undergraduate and Comprehensive, 3% for Medical Doctoral). An additional index rate, measuring total holdings, regardless of student numbers, was used in the Medical Doctoral category (1%) to acknowledge the importance of extensive on-campus collections in those institutions. As well, Maclean's measured the percentage of a university's operating budget that was allocated to library services (4%) and the percentage of the actual library budget that was spent on updating the collection (4%).

In acknowledging a shift from the traditional library model to an access model, Maclean's captures spending on electronic resources both the library expenses and acquisitions measurements.

REPUTATION (20%)

This section reflects a university's reputation with its own graduates, as well as within the community at large. For its reputational survey (15%), Maclean's sent surveys to 7,528 individuals across the country. Respondents rated the universities in three categories: Highest Quality, Most

Innovative and Leaders of Tomorrow. Each Overall represents the sum of the scores. When looking at alumni support, evaluations received points for the number—rather than the value—of gifts to the university over the past five years (5%).

Weightings

Maclean's ranks universities on up to 25 performance measures with varying weights assigned to each.

STUDENT BODY	21% to 22%
Average Full-time Study	10%
Proportion with 25% or Higher	3%
Proportion Who Graduate	2%
Out of Province (3rd Year)	1.5%
International (Last Year)	0.5%
International Graduate*	0%
Student at Awards	3%

CLASSES	17% to 109%
Class Size, 1st and 2nd Year Level	7.0 to 7.5%
Class Size, 3rd and 4th Year Level	3.0 to 3.5%
Classes Taught by Inward Faculty	3%

FACULTY	17%
Faculty with PhDs	7%
Awards per Full-time Faculty	2%
Social Sciences and Humanities Grants	5.5%
Medical/Science Grants	3.5%

FINANCES	12%
Operating Budget	3.3%
Scholarships & Bursaries	4.3%
Student Services	4.5%

LIBRARY	12%
Total Library Holdings†	1%
Holdings per Student	3.0 to 4%
Acquisitions	4%
Expenditures	4%

REPUTATION	20%
Alumni Support	9%
Comprehensiveness of Survey	15%

*International and medical/science categories only.
†Includes Doctoral category only.

GROUP	RESPONSE RATE
University Officials	66.4%
Academic Consultants	66.4%
CFOs	12.1%
Corporate Executives	5.8%
Heads of Organizations	3.5%
TOTAL	12.5%



PRIMARILY UNDERGRADUATE WINNER | ST. FRANCIS XAVIER UNIVERSITY

With an academic history that stretches back 149 years, this small institution in Antigonish, N.S., is in the midst of a major revival, writes JOHN DeMONT

THEY RECOGNIZE each other in basement on Bay Street, at an NAC meeting in Burlington, at a cocktail in Cape Breton. All it takes is a flash of gold with a black X on the ring finger to signal membership in the same exclusive club. "It's the best marketing tool a university could have," Sean Riley, president of St. Francis Xavier University, says of the ring that graces the hands of 96 percent of the graduates from his school. Don't just take his word for it: Philip Glenne grew up in Saint John, N.B., staring at his father Raymond's X-Ring. When he told a high-school teacher he was considering attending the Antigonish, N.S., university, the teacher just chuckled and flipped the fa-

miliar insignia. Now, Glenne, 18, is a first-year arts student at St. FX, with dreams of wearing his own X-Ring some day. "To tell you the truth, I can't wait," he says.

What's the big deal? It's certainly rare to be part of an academic tradition that stretches back 149 years. In alone one that began with the promises of poor fishermen, farmers and miners and the occasional aspirations of the Roman Catholic Church. No doubt, students take pride in their university's illustrious past. But make no mistake: remember old St. FX, the top-ranked

university in the Primarily Undergraduate category, is in the midst of a revival. The most obvious sign: a \$75-million capital renewal initiative, with spending on everything from new student housing to state-of-the-art teaching and research facilities. "This isn't just rah-rah stuff," declares Riley. "We need to improve our infrastructure if we want to be competitive in attracting the best students and faculty."

Boosting the best alumni support of any school in its category helps. The university's endowment now sits at more than \$40 million, which is nothing to sneeze at for a school with just 3,800 students. Another plus is the long list of illustrious grads.

Under fire, the university has launched a \$75-million capital renewal initiative.

Reputational Response Rate

THIS YEAR, Maclean's solicited the opinion of 7,528 individuals across the country. They included high school guidance counsellors from every province and territory, university officials at each ranked institution, the heads of a wide variety of national and regional organizations, plus CEOs and executives at corporations large and small. As in recent years, Maclean's expanded the list of corporate representatives, with particular attention to regional balance. The reputational survey is both regional and national in character, dividing the country into four key areas: the western provinces, Ontario, Quebec and the Atlantic provinces. All respondents completed a national survey; university officials and guidance counsellors also completed regional surveys.

ringing from politician Ron Maloney and Frank McCanna to members of the Rankin Family. However, Riley says that recent grads tend to be the best placemen. "It's genuinely proud of their alma mater's academic prowess, including the equal emphasis the administration places on research and teaching. Another point of pride is for extended beyond the campus: students have had the option of finishing a community project, tied to the curriculum, involving up to 25 hours of service. The paid, after all, remains the same as always: providing an experience that, in Riley's words, serves as a "launching pad" for its student body.

St FX still feels like a small liberal arts college. The student body is split almost evenly among the disciplines of arts and science and the school of business, creating

that nobody gets short shifts. And like past years, for anyone that yearns when the school opened the Charles V. Keating Millennium Center, a \$20-million multi-purpose facility that provides athletic and recreation facilities along with a conference center and information technology training.

No wonder the "X experience" looms so large in the memory of anyone who has attended the place. "X is as close to X," says Sarah Amato, 18, a first-year business student from Summerville, P.E.I. "My friends come here from bigger schools and they just can't believe how different the experience is." It's not just the team spirit at Sunday afternoon football games, the walkable campus and Frank Capra-like experience of living and learning in Antigonish, a small town with deep Gaelic roots.

The Cuddy International Institute, world-renowned for innovation in community-based development, gives the campus a cosmopolitan flair to go with its homey feel.

Under Riley's watch, which began in 1996, St FX has also been trying to further broaden its scope. Witness, for example, the three-year-old Gerald Schwartz School of Business and Information Systems, launched with a multimillion-dollar donation from the Dexco Corp. chairman and CEO. The school combines a business and information systems faculty under one roof. With its six next two years, it will move to a permanent home in one of the university's venerable old brick buildings. The message seems clear: today's St FX is happy to celebrate tradition—even if its eyes are firmly fixed on the horizon.



Reputational Winners

McGraw-Hill's surveyed high-school guidance counselors, university officials, heads of organizations, CEOs and recruiters at corporations across the country.

Highest Quality

- 1 Mount Allison
- 2 Acadia
- 3 Wilfrid Laurier
- 4 St. Francis Xavier
- 5 Ryerson

Most Innovative

- 1 Acadia
- 2 Ryerson
- 3 Wilfrid Laurier
- 4 Mount Allison
- 5 St. Francis Xavier

Leaders of Tomorrow

- 1 Ryerson
- 2 Acadia
- 3 Wilfrid Laurier
- 4 Mount Allison
- 5 UNBC

Best Overall

- 1 Acadia
- 2 Wilfrid Laurier
- 3 Mount Allison
- 4 Ryerson
- 5 St. Francis Xavier



Primarily Undergraduate | The Maclean's ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Primarily Undergraduate category are largely focused on undergraduate education, with relatively few graduate programs.

OVERALL RANKING	STUDENT BODY							CLASSES		FACULTY				FINANCES			LIBRARY		REPUTATION			
	Last Year	Average Entrance Grade	Proportion with 75% or Higher	Proportion Who Graduate	Out of Province (Outbound)	International (Outbound)	Student Return	Class Size, 3rd and 4th Year Level	Class Size 3rd and 4th Year Level	Classes Taught by Tenured Faculty	Faculty with PhDs	Research per Full-time Faculty	Social Sciences & Humanities Grants	Medical/ Science Grants	Operating Budget	Scholarships & Bursaries (Percentage of budget)	Student Services (Percentage of budget)	Holdings per Student	Acquisitions	Expenditures	Alumni Support	Reputational Survey
1 St. Francis Xavier	2	4	4	1	5	17	5*	9	14	5*	6	14*	1	4	6	10	10	7	4	13	1	5
2 Mount Allison	1	1	1	1	1	5	1	13	12*	3	7	3	15	3	2	11	17	3	9	3	7	3
3 Acadia	4	2	3	7	3	3	3	14	10	16	3	7	13	12	9	17	15	1	14	12	10	1
4 Wilfrid Laurier	5	3	5	14	17	14*	7	5*	11	16	13	16*	6	14	17	15	2	16	7	4	4	1
5 Wilfrid Laurier	7	6	2	3	21	21	15	18	19	21	4	12	4	6	19	2	9	17	12	8	9	2
16 Bishop's	8	7	8	9	2	1	13	1	7	19	16	14*	18	19	4	5	1	8	15	1	5	15
16 Trent	3	16*	21	5	15	3	4	11*	3	2	5	1	8	1	11	3	15	12	17	9	11	18
8 UNBC	14	10	16	3	12	12	5*	15	16	14	11	19*	2	11	3	16	6	18	1	3	N/A	16
9 UPEI	15	9	13	6	6	19	2	16	4*	5	14	4	7	12	1	12	19	5	12	19	14	13
10 St. Thomas	16	9	7	20	4	11	21	5*	17	20	3	5	14	N/A	12	6	4	4	26	11	8	11
11 Saint Mary's	9	13	13	19	7	6	12	13	9	4	1	14*	3	8	13	13	8	16	18	14	6	6
12 Mount Saint Vincent	18	8	9	16	9	6	19*	3	1	17	12	14*	9	20	16	14	21	16	3	17	12	12
13 Lehigh Valley	8	14	12	13	6	8	11	16	15	12	17	2	17	3	10	18	3	9	16	10	17	7
14 Brock	12	11*	14	12	10*	18	14	20	18	18	5	9	5	5	21	5	7	15	8	6	15	6
15 Moncton	11	15	15	17	11	7	8*	7	4*	15	14	13	16	15	14	16	5	18	5	3	10	10
16 Ryerson	15	11*	8	11	16	9	18	17	21	13	20	14*	16	7	18	9	9	21	5	21	16	4
17 Lakehead	13	13*	16	4	15	18	8*	10	28	8	10	6	13	9	7	3	12	19	2	7	13	16
18 Carleton	16	21	17	18	15	13	10	8	5	7	8	8	21	19	8	5	15	13	13	14	19	17
19 Wilfrid Laurier	17	15	16	18	19*	14*	17	11*	12*	11	15	14*	26	16	5	7	16	16	6	18	2	10
20 Brandon	20	18	19	13	20	18	25	6	3	1	16	14*	12	17	20	20	11	2	15	15	20	20
21 Cape Breton (UCCB)	21	17	20	15	14	16	19*	3	6	5*	21	14*	16	16	15	21	14	16	21	20	18	21

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COMPREHENSIVE WINNER | UNIVERSITY OF GUELPH

What distinguishes Guelph, writes SHARON DOYLE DRIEDGER, is a strong sense of community and a pervasive belief that undergraduate learning is inextricably linked to research

THE AMBIANCE is more trendy restaurants than residence offices. Crustean Market-place, the quaint, country kitchen eatery at the University of Guelph, offers such student pleasures as made-to-order pizzas and quodlitas, gourmet vegetarian fare and a no-meat salad bar. Prefer a more substantial meal? The chef will cook up one of his specials—chicken Caesar or smashed linguine, perhaps—on the spot. What if the stew is too spicy? The techs a miracle? In a move

that might bankrupt most food operations, students are guaranteed a refund if they don't like what they're served.

Clearly, Guelph—the top-ranked university in the Comprehensive category—takes pride in catering to students in every aspect of academic life, from the caf to the classroom. Created in 1964, the university is re-

nown for its life sciences, a strength that sprang naturally from its roots in the 140-year-old Ontario Veterinary College. Dedicated faculty members, many of whom are involved in innovative research, are advancing the university's reputation as they push the boundaries of knowledge in ge-

science, proteomics, biotechnology, aquatic and environmental sciences and other emerging fields. Recent discoveries, a new form of ice treated as a breakthrough for

open preservation, a component in red wine that would fight breast cancer, using tobacco to produce disease-fighting antibodies.

Impressive achievements, and ones that benefit the learning environment. "We believe strongly that there is a seamless link between learning and research," says president Mercedes Ruzic, "and that must be brought into the classroom." Consequently, the university is taking deliberate steps to ensure that students have a chance to become involved. One such initiative, the Summer Undergraduate Research Assistantship Program, provides opportunities for more than 180 students to get hands-on experience in the lab or the field. At well, there are some 500 labs and part-time opportunities during the school year. Even first- and second-year students can be involved in conducting a fish census, extracting DNA from tissue samples or measuring hormones. Meanwhile, first-year students in the new four-year bachelor program in arts and science will get a close-up view of the inquiry process in small seminars.

Guelph is often stereotyped as an agricultural school. "We're proud of that tradition, but we've moved beyond it," says Ruzic. In fact, more than a third of the university's 13,000 full-time undergrads are enrolled in arts, humanities and social sci-

ence programs. The English and drama departments have made distinguished success in playwright Judith Thompson, award-winning authors Thomas King and Junete Kufly Keeler. Meanwhile, Stephen Fleming, a professor in the department of languages and literature, was recently nominated for a Governor General Award for his provocative play *What Work Does the World*.

In every discipline, Guelph places high priority on ensuring students' academic success. Jeffrey Ramkellawan, a first-year environmental engineering student from Toronto, remembers how his mother often worried him that he would get little personal attention. "My mother went to a big university and she would say, 'You're going to be all by yourself!'" But Ramkellawan, who has taken advantage of late nights supervised by senior engineering students—one of several programs set up by the Centre for New Students—says his mother need not have worried.

With more than 60 percent of students living on campus, Guelph is a highly residential, tight-knit community. The Academic Cluster program, which assigns students to dorms with up to 20 classmates, speeds up the bonding process and makes group study less more convenient. Ramkellawan, on the other hand, chose Arts House—one of four

Living Learning programs—so he could associate with others who shared his creative interests. "I didn't want to be socially immersed in engineering," says Ramkellawan. "There are a lot more experiences out there, university is the place to do it."

What distinguishes the Guelph experience for many, however, is the sense that students come first. All of them. "Coming to university was my first independent experience," says Chad Hooper, a fourth-year student with cerebral palsy. "I wasn't sure how it was going to work out, but the faculty has been very accommodating. They've pretty much eliminated the barriers." Last year, Hooper, an environmental and freshwater biology major, was able to participate in a three-week tropical ecology field course in Australia, with the support of faculty who applied for a grant to cover the cost of a personal assistant. As one point, a faculty member literally piggybacked the student—who relies on a scooter to move around campus—over rough terrain. "We spent two weeks on this gorgeous remote island on the Great Barrier Reef putting together a research project," says the 22-year-old from Riverside, Ore. "It was one of the best experiences of my life." When it comes to their experience at Guelph, many students would say exactly the same thing. ■



Reputational Winners

Maclean's surveyed high-school guidance counselors, university officials, heads of organizations, CEOs and recruiters at corporations across the country.

Highest Quality

1. Waterloo
2. Guelph
3. Simon Fraser
4. Victoria
5. Memorial

Most Innovative

1. Waterloo
2. Guelph
3. Simon Fraser
4. Victoria
5. York

Leaders of Tomorrow

1. Waterloo
2. Guelph
3. Simon Fraser
4. York
5. Concordia

Best Overall

1. Waterloo
2. Guelph
3. Simon Fraser
4. York
5. Victoria



Comprehensive | The Maclean's ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Comprehensive category have a significant amount of research activity and a wide range of programs at the undergraduate and graduate levels, including professional degrees.

OVERALL RANKING		STUDENT BODY					CLASSES				
	Last Year	Average Incoming Grade	Proportion with 2.0+ or Higher	Proportion Undergraduate	Out of Province (Est. %)	International (Est. %)	International (Observed)	Student Awards	Class Size: 1st and 2nd Year Level	Class Size: 3rd and 4th Year Level	Classes Taught by Tenured Faculty
1. Guelph	3	4	3	1	18	9	5	2	6	4	3
2. Waterloo	1	4	4	4	5	7	3	1	5	10	1
3. Simon Fraser	2	2	2	3	8	2	10	4	3	9	2
4. Victoria	4	3	3	6	4	18	6	3	7	6	8
5. Memorial	5	1*	3	11	6	13	7	10	1	2	3
16. Regina	7	5	6	5	7	8	2	8	4	1	9*
6. York	6	9	8	2	9	5	11	7	18	7	2
8. New Brunswick	10	1*	5	10	2	3	4	6	3	3	4
9. Carleton	8	6	5	9	3	6	8	3	8	12	11
10. Concordia	11	10	10	5	1	4	9	9	2	5	9*
11. Windsor	9	11	11	7	12	3	1	11	12	7*	6

* Indicates a tie. Full descriptions of the methodology page 16.

FACULTY		FINANCES				LIBRARY			REPUTATION		
Faculty with PhDs	Awards per Full-time Faculty	Social Sciences & Humanities Grants	Med/Sci/ Science Grants	Operating Expenses	Scholarships (Percentage of budget)	Student Services (Percentage of budget)	Holdings per Student	Acquisitions	Expenditures	Alumni Support	Reputational Survey
2	5	6	2	5	4	1	4*	7	5	3	2
1	1	7	4	9	2	10	8	5	6	1	1
6*	2	1	3	3	8	9	13	2	5	4	3
4*	3	3	1	4	6	5	3	6	7	18	4
10	9	8	11	1	7	4	5	4	1	5	6
11	11	9	5	2	12	7	6	1	2	10	10
4*	4	4	5	10	3	2	9	9	10	9	5
9	7	10	10	6	10	11	2	11	4	8	7
8	8	5	7	8	5	6	7	10	3	7	9
6*	10	2	6	11	9	8	10	8	11	2	8
3	4	11	8	7	5	3	4*	3	6	6	11

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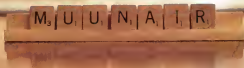


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MEDICAL DOCTORAL WINNER | UNIVERSITY OF TORONTO

Canada's premier research powerhouse is broadening its horizons while continuing to enhance the undergraduate experience, writes VICTOR DWYER

WHEN Zahra Zaei Moayed moved from Manchester, England, to Toronto in Grade 10, she promised herself that she would spend as much time at extracurricular activities as she would in class. By her last year of high school, she was volunteering with Kids Help Phone and the Toronto-based legal clinic Justice for Children and Youth, and was travelling to New York City as a delegate to the Model United Nations. "When it came time for senior year," says Zaei Moayed, "I wanted one that would push me to expand my horizons as far as they could go, and put me in the path of people from the widest variety of backgrounds." Now in her first year studying

international relations and French at the University of Toronto, and living in residence at historic University College in the heart of downtown, Zaei Moayed is contented she chose well. "In terms of the professors, of the students, of life outside of class, U of T is my kind of school," she says. "It is my favorite kind of place."

With its roughly 3,500 faculty, 32 libraries and PhD programs in 76 disciplines, Canada's top-ranked Medical Doctoral university is one of the world's pre-eminent research

institutions. But for students like Zaei Moayed, it's also a great place to be an undergrad. And although it is not immune to problems of underfunding and overcrowding, its \$1.4-billion endowment has placed it in an enviable position as it stretches to make room for next fall's double cohort of Ontario highschool grads. "There will be challenges ahead," says president Robert Burgess, "but we feel both prepared to meet them and confident that we will."

For starters, Burgess is promising to increase the university's already remarkable \$30-million commitment to need-based student aid in an effort to ensure that newly

Burgess promises to increase an already considerable commitment to student aid

one of every two undergrads continues to get with help. And it's universally known far to close-knit colleges—many of them more than a century old, each with its own distinctive programs, social clubs and traditions—1,200 new dorm spaces are being added over the next two years, proving the way for more students to enjoy what Zana Massey describes as “a strong, and planful, sense of community. I’m at University College, living at Whitney Hall, in Penguin House,” she notes. “As those groupings get smaller and smaller, you’re able to get more and more involved, and really bond with the people you’re interacting every single day.”

Academically, too, U of T has been making major investments in the future. Over the past year it hired 152 new tenure-track professors, who will join such world-famous names as philosopher Mark Kingwell*, de mathematician David Foran and Nobel Prize-winning chemist John Polanyi. At well, this fall will see the opening of the Robson Centre for Information Technology, home to eight floors of classrooms, research space and study lounges. Just days before that, building began on the Centre for Cellular and Biomolecular

Research, which will gather scholars in the fields of pharmacy, medicine and engineering into a single cross-disciplinary facility. Students like fourth-year chemistry major Sharianna Greenberg, who has earned both on-campus and off-world consumer research projects in areas as varied as aquatic ecology and corporate chemistry, know well the benefits of pursuing a degree in the thick of such cutting-edge research. “I’ve spent three years learning from professors who care not only about their research, but about their students,” she says. “I’ve also learned a heck of a lot about my field in the process.”

Big changes are also afoot at U of T’s two suburban campuses, which, says Burgenau, “will operate from now on more like their own universities.” Already, Mississauga has begun construction on a new residence complex, has initiated new programs in biotechnology and communications with nearby Sheridan College, and is expanding its fields as diverse as mathematics, social policy and cybernautics. In contrast, Toronto, the Scarborough campus is in the midst of its greatest capital expansion program in four decades. The line for next fall’s range of

new co-op programs to beef up its already healthy commitment to hands-on learning, a new residence, and the opening of the Academic Resource Centre, which will house a digital library, expanded study space and a state-of-the-art computerized lecture and performance theatre.

Of course, you don’t have to snuff out the flashy, the new or the in-your-face to fully appreciate the U of T’s many charms. On a recent autumn day, in the cozy confines of Hart House Library, adorns or warms them, their most in books is varied in The Great Historians and Professional Faculty, studied under decades-old portraits of patrons Vincent and Alice Massey. On one wall, a snappy computer-generated poster reads, “Feel free to ask strolling patrons to knock it off or leave”—just a few feet from anyone man sprawled on a red-leather couch, softly but distinctly whistling the afternoon away. As a copy of Single Variable Calculus rose and fell on his chest, no one seemed to notice, and certainly no one deemed it necessary to disturb his reverie. Even at a university as dynamic as this one, there can sometimes be no improving on tradition. **B**



QUEEN'S



MCCILL

Reputational Winners

Maclean's surveyed high-school guidance counsellors, university officials, heads of organizations, CEOs and recruiters at corporations across the country.

Highest Quality
1 McGill
2 Toronto
3 Queen's
4 UBC
5 McMaster

Most Innovative
1 Toronto
2 McMaster
3 Alberta
4 Queen's
5 McGill

Leaders of Tomorrow
1 Toronto
2 McGill
3 Queen's
4 Alberta
5 UBC

Best Overall
1 Toronto
2 McGill
3 Queen's
4 Alberta
5 McMaster



MCCILL

Medical Doctoral | The Maclean's ranking takes a measure of the undergraduate experience, comparing universities in three peer groupings. Those in the Medical Doctoral category have a broad range of PhD programs and research, as well as medical schools.

OVERALL RANKING	STUDENT BODY								FACULTY								FINANCES				LIBRARY				REPUTATION	
	Last Year	Average Entrance Grade	Proportion with 12% or Higher	Proportion Who Graduate	Out of Province (1st Year)	International (1st Year)	International (Graduate)	Student Awards	Class Size: 1st and 2nd Year Level	Class Size: 3rd and 4th Year Level	Class Size: 5th Year Level	Class Size: 6th Year Level	Faculty with PhDs	Awards per Full-time Faculty	Social Sciences & Humanities Degrees	Medical/ Science Grants	Operating Budget	Scholarships & Bursaries (Percentage of Budget)	Student Services (Percentage of Budget)	Total Holdings	Holdings per Student	Acquisitions	Expenditures	Alumni Support	Reputational Survey	
1 Toronto	5	5	5	4	13	7	13	4	14	13	2	3	9	1	1	1	2	2	2	1	3	1	1	1	1	1
2 Queen's	3	2	3	1	4	18	3	2	12	11*	81	9*	2	20	5	11	1	11	5	2	4	5	5	5	5	
3 McGill	4	4	1	2	2	3	4	1	13	11	14	9	1	3	2	14	4	7	6	9*	3	3	4	3	3	
5 Western	6	7	4	5	6	6	12	11	3	3	1	8	11	81	5	7	4	4	4	5	2	6	2	7	7	
5 UBC	2	3	3	5*	6	9	7	3	11	16	15	1	4	2	3	15	6	1	3	6	18	2	7	6	6	
6 Montreal	7	1	6	3	6	3	6	7	2	6*	6	13	5	4	7	6	7	9	5	14	12	9	6	6	6	
7 Alberta	5	11	7	15	5	12	2	6	9	6	13	3	7	6	4	5	3	5	2	8	18	8	12*	4	4	
8 Sherbrooke	14	6	10	11	14	15	5	14	3	4	7*	15	15	15	12	13	6	6	16	16	5	15	8	18	18	
9 Ottawa	10	12*	11	8	3	5	8	12	6	6	3	4	8*	8	6	8	10	3	11	7	13	13	12*	14	14	
10 McMaster	8	15	14	9	13	6	11	6	15	14	7*	5*	6	6	11	3	12	10	13	18	7	11	13	5	5	
11 Oshawa	9	19	8	19	1	8	18	5	7	2	19	14	18	12	13	3	9	13	16	14	6	12	18	0	0	
12 Saskatchewan	11	8	9	12	12	14	3	15	6	1	9	13	14	14	15	18	16	14	9	4	8	4	14	13	13	
13 Laval	12*	9	13	13	15	3	5	9	4	10	4	19	8*	7	18	9	13	12	10	9*	9	14	15	12	12	
14 Calgary	13*	14	12	14	7	11	14	13	16	6*	5	12	18	9	6	4	11	6	7	5	15	19	6	11	11	
15 Manitoba	15	12*	15	7	10	13	16	16	8	5	12	7	12	13	14	12	14	15	12	12	14	7	5	15	15	

EXPERIENCE FROM 1997-1998. *BASED ON 1997-1998 DATA. **BASED ON 1997-1998 DATA. ***BASED ON 1997-1998 DATA.

*Based on 1997-1998 data. **Based on 1997-1998 data. ***Based on 1997-1998 data.



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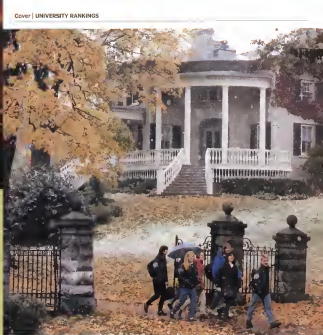
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WINDSOR



THE RANKINGS | WHAT EVERY STUDENT NEEDS TO KNOW

Where are the smart students, the small classes, the strong library resources? Which university has the strongest reputation, the largest out-of-province draw? *Maclean's* presents a detailed guide to all the facts and figures behind its exclusive rankings of Canadian universities.

Student Body 46 | Classes 51 | Faculty 54 | Finance 58 | Library 59 | Reputation 60 | Value Added 62 | Directory 62 | Financial Planning 64

PHOTO TOP: GARY DOWNES/ISTOCK

MACLEAN'S | NOVEMBER 18, 2012 49

Student Body | The quality and dedication of students has an enormous impact on the learning environment. Maclean's not only takes two measures of entering grades, but also calculates the success of the student body at winning national awards and at graduating within a reasonable time frame. The university's drawing power from other regions is measured as well.



First-year students between classes at Queen's University in Kingston

Average Entering Grade

Students are ranked by the input of their peers. Here are the average final-year grades of first-year students entering from high school or Quebec's CEGEP system

	Grade
1 Montreal	88.9%
2 Queen's	82.2%
3 USC	86.6%
4 McGill	88.1%
5 Toronto	75.2%
6 Western	75.2%
7 Saskatchewan	89.2%
8 New Brunswick	85.1%
9 Sherbrooke	85%
10 Simon Fraser	85%
11 Mount Allison	84.9%
12 Laval	84.9%
13 Belleville	84.1%
14 Alberta	84%
15 Victoria	83.2%
16 Guelph	83.1%
17 Acadia	83.2%
18 Winnipeg	82.4%
19 University	82.1%
20 Ottawa	82.2%
21 St. Francis Xavier	82.2%
22 Calgary	82.4%
23 Regina	82.2%
24 St. Thomas	82%
25 McMaster	81.9%
26 Carleton	81.9%
27 Wilfrid Laurier	81.6%
28 Bishop's	81.2%
29 Mount Saint Vincent	80.6%
30 UPEL	80.4%
31 UBC	80.1%
32 Memorial	79.2%
33 New Brunswick	79.2%
34 York	78.2%
35 Brock	78.2%
36 Ryerson	78.2%
37 Saint Mary's	78.1%
38 Lethbridge	78.1%
39 Moncton	78.2%
40 Niagara	77.1%
41 Cape Breton (CIBC)	78.1%
42 Brandon	78.2%
43 Lakehead	78.2%
44 Trent	78.2%
45 Concordia	78%
46 Laurentian	78%
47 Windsor	74.1%

Proportion with 75% or Higher

Maclean's calculates the percentage of first-year students arriving from high school or CEGEP with averages of 75 per cent or higher.

	Per cent
1 McGill	95.95
2 Queen's	95.85
3 Guelph	95.8
4 UBC	95.75
5 Western	95.65
6 Toronto	95.6
7 Simon Fraser	95.55
8 Victoria	95.53
9 Montreal	94.67
10 Mount Allison	94.75
11 Waterloo	93.44
12 Alberta	93.6
13 New Brunswick	93.48
14 Saskatchewan	93.34
15 Sherbrooke	93.23
16 Ottawa	93.2
17 Guelph	93.2
18 Laval	93.25
19 Windsor	93.25
20 Wilfrid Laurier	93.27
21 Acadia	93.1
22 St. Francis Xavier	93.08
23 Winnipeg	93.07
24 Manitoba	93.79
25 Carleton	93.46
26 Bishop's	93.83
27 St. Thomas	93
28 Regina	93.67
29 Ryerson	93.38
30 Mount Saint Vincent	93.8
31 UPEL	93.48
32 Memorial	93.95
33 UPEL	93.4
34 Brock	93.82
35 New Brunswick	93.24
36 Lethbridge	93.67
37 Saint Mary's	93.56
38 Brock	93.13
39 Moncton	93.4
40 Concordia	93.25
41 Niagara	93.73
42 Mount Allison	93.67
43 Lakehead	93.53
44 Brandon	93.74
45 Cape Breton (CIBC)	93.73
46 Trent	93
47 Windsor	93.25

Proportion Who Graduate

Maclean's measures the percentage of full-time second-year undergraduates who completed their degree within one year of the expected graduation date.

	Per cent
1 Queen's	92.9
2 St. Francis Xavier	92.4
3 McGill	92
4 Montreal	91.1
5 Victoria	91.2
6 UBC	90.9
7 Niagara	90.9
8 Manitoba	90.6
9 Ottawa	90.5
10 Guelph	90.1
11 McMaster	90.0
12 Kelowna	90.7
13 Sherbrooke	90.2
14 UPEL	90
15 Saskatchewan	89.5
16 Wilfrid Laurier	89.1
17 Lethbridge	89
18 York	88.5
19 Nova	88.6
20 UPEL	88.6
21 Simon Fraser	88.9
22 Acadia	88.6
23 Waterloo	88.3
24 Mount Allison	88
25 Regina	88.3
26 Laval	88.1
27 Victoria	88.5
28 Bishop's	88.3
29 St. John's	88.9
30 Windsor	88.4
31 Concordia	88.1
32 Calgary	87.8
33 Ryerson	88.6
34 Brock	88.3
35 Lethbridge	88.2
36 Winnipeg	88.4
37 Cape Breton (CIBC)	88.4
38 Carleton	88.3
39 Mount Saint Vincent	88.0
40 Alberta	88.4
41 New Brunswick	88.8
42 Moncton	88.7
43 Lakehead	88.4
44 Moncton	88.5
45 Saint Mary's	88.9
46 St. Thomas	88
47 Brandon	88

* See table 1 on full description of the methodology page 36.

Grade Distribution

While the Maclean's ranking takes account of the average entering grade of first-year students arriving from high school an CDEP, the average is its only part of the story. What percentage of those students entered with grades within each of the following ranges?

	less than 10%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70% or higher
Acadia	8	3	11	29	26	20	16	6
Alberta	84	6.7	7.6	19.7	17.1	24.5	25.8	4.4
Algonquin	8	1.7	16.3	21.8	24.1	24.2	10.8	4.9
Brandon	9.5	15.3	16.4	18.9	13.2	13.7	3.2	1.1
UBC	8	0.3	0.2	9.2	28.6	35	29.6	7.6
Brock	8	6.5	18.4	26.3	27.6	9.8	3.8	0.6
Calgary	4.1	0.8	19.8	22.6	39.1	23.5	19.4	1.6
Cape Breton (SUCCB)	13.6	14.7	16.2	16.7	16.4	11.4	9.3	2
Carleton	8	0.4	18.5	21.8	23.7	22.5	11.1	2.3
Concordia	8	11.5	16.3	26.6	19.9	11.2	1.2	0.4
Qulitec	8	0	8.5	19.4	19.4	24	26.5	7.2
QUT	9	0	0.2	29.9	38.4	21	9.3	1.3
Lakeland	3	17	22	21	21	11	4	1
Laurier	2	16.2	13.1	21.4	29	13	1.8	1.3
Laval	6.8	3.6	9.8	11.3	19.1	30.5	26.7	1.3
Lebanon	4	16.1	17.2	23.7	29.7	15.7	7.1	1.5
Memphis	1.4	6.3	20.5	16	19.6	22.4	18.7	6.1
McGill	9	0	6.1	16.5	12.6	34.6	38.5	1.8
McMaster	9	6.7	17	23.3	11.5	18.7	11.6	1.2
Monash	9	0	26	26.8	14.3	13.9	6	1.1
Moncton	6	8.4	20.5	23	15.2	14.2	7	0.7
Montreal	0.1	0.1	5.2	7.2	12.4	20.7	51.9	2.3
Mount Allison	9	0.4	6.9	18.4	26.2	24.5	19.5	5.8
Mount Saint Vincent	1	9	25	20	23	16	36	1
New Brunswick	4.9	5.7	15.5	19.3	21.3	16.3	99	2.5
Algonquin	1.5	14.4	22.4	25.8	22.7	9.3	1.9	0.2
UNBC	9	7	18.5	24.8	16.1	18.3	94	1.1
Ottawa	0	0	11.6	23.3	27.8	23.6	13.8	2.1
QPS	1.9	9.7	18.8	18.5	12.7	15.9	18.9	3.6
Queen's	9	0	0.2	3	12.3	36.7	37	9.7
Regina	9	7.2	18.7	16.4	11.8	21.1	15.4	3.9
Ryerson	9	1.3	22.3	36.9	19.6	11.4	2.4	0.2
St. Francis Xavier	9.2	4.3	17.8	20	15.3	21.3	15.7	3.4
St. Mary's	1.2	9.9	21.3	23.9	29.3	15.7	7.3	9.6
St. Thomas	9	7	11	11	16	18	34	5
Saskatchewan	9	2	6.8	11	15.9	27.3	31.9	6.4
Saskatoon	9.2	6.8	10	13.2	19.3	29.3	19.3	1
Simon Fraser	9	6.1	1.2	15	10.5	27.4	189	1.8
Toronto	9	0	1.2	11.8	29.4	34.2	17.5	5.7
Trent	3.9	16.5	26.6	23.2	17.6	8.4	5	0.3
Victoria	0.1	6.1	28	29.3	26.6	21.9	12.3	2.5
Waterloo	9	6.5	7.3	12.4	29.6	26.7	26.7	6.1
Western	9	0	0.4	6.5	46.6	29.6	15.3	2.6
Wilfrid Laurier	9	1.8	12.9	24.2	38	23.3	7.6	0.6
Windsor	11.3	21.3	21	18.2	15.2	6.2	9.8	1.2
Winnipeg	1.9	6.6	9.3	14.3	12.3	34.2	18	4.8
York	0.3	3.6	16.9	27	29.6	15.4	7.7	0.7

Note: Due to rounding, the total in each row may not equal 100 per cent.
Full description of the methodology page 18.



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Mount Saint Vincent

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Out of Province (First Year)

Percentage of students from
other provinces

PRIMARY UNDERGRADUATE

	Per cent
1 Mount Allison	65
2 Brandon	42.4
3 Acadia	36.9
4 St. Thomas	32.3
5 St. Francis Xavier	32.3
6 Lethbridge	32.3
7 Saint Mary's	31.6
8 UPEI	31.2
9 Mount Saint Vincent	33.5
10 Brandon	33.5
11 Moncton	33.5
12 UBC	33.5
13 Lethbridge	33.5
14 Cape Breton (ACOB)	33.5
15 Trent	33.5
16 Yorkville	33.5
17 Winnipeg	33.5
18 Laurier	33.5
19 Ryerson	33.5
20 UBC	33.5
21 Wilfrid Laurier	33.5

COMPREHENSIVE

1 Concordia	26.5
2 New Brunswick	18
3 Carleton	21.4
4 Victoria	21.4
5 Waterloo	21.4
6 Memorial	21.4
7 Regina	21.4
8 Simon Fraser	21.4
9 York	21.4
10 UBC	21.4
11 Windsor	21.4

MEDICAL DOCTORAL

1 McMaster	25.2
2 Ottawa	21
3 Queen's	20
4 Alberta	14.2
5 Western	12.5
6 Calgary	11
7 UBC	10.1
8 Montreal	9.9
9 Moncton	6.3
10 Toronto	6.2
11 Saskatchewan	5.8
12 McMaster	4.1
13 Memorial	2.7
14 Laval	1.5

International (First Year)

Percentage of students from
outside Canada

PRIMARY UNDERGRADUATE

	Per cent
1 Midway	34.3
2 Acadia	31.6
3 Trent	31.6
4 Saint Mary's	31.6
5 Mount Allison	31.6
6 Mount Saint Vincent	31.6
7 Moncton	31.6
8 Lethbridge	31.6
9 Ryerson	31.6
10 Brock	31.6
11 St. Thomas	31.6
12 UBC	31.6
13 Lethbridge	31.6
14 Yorkville	31.6
15 Cape Breton (ACOB)	31.6
16 Saint Francis Xavier	31.6
17 St. Thomas	31.6
18 Brandon	31.6
19 UBC	31.6
20 Wilfrid Laurier	31.6

COMPREHENSIVE

1 Windsor	13.1
2 Simon Fraser	13
3 New Brunswick	10.5
4 Concordia	7.4
5 York	5
6 Carleton	5
7 Victoria	4.5
8 Carleton	3.3
9 Concordia	3.3
10 Simon Fraser	2.7
11 Memorial	1.7

MEDICAL DOCTORAL

1 McGill	30.3
2 Montreal	11.4
3 Queen's	11.2
4 McMaster	9.3
5 Ottawa	9.3
6 Western	7.8
7 Toronto	7.1
8 Waterloo	6.8
9 UBC	6.2
10 Queen's	3.6
11 Calgary	3.4
12 Alberta	3.1
13 Montreal	1.9
14 Saskatchewan	1.1
15 Sherbrooke	1.2



On campus at Mount Allison

International (Graduate)

Percentage of graduate
students from outside Canada

COMPREHENSIVE

	Per cent
1 Windsor	45.9
2 Regina	35
3 Waterloo	34.6
4 New Brunswick	22.9
5 York	22
6 Victoria	21.4
7 Memorial	21.4
8 Carleton	15.1
9 Concordia	15.1
10 Simon Fraser	14.9
11 York	14.1

MEDICAL DOCTORAL

1 Saskatchewan	25.8
2 Alberta	23
3 Queen's	22.4
4 McGill	20.4
5 Laval	15.2
6 Montreal	15.2
7 UBC	15.2
8 Ottawa	11.4
9 Memorial	11.2
10 Brandon	11
11 Windsor	10.9
12 Western	10.2
13 Toronto	10.1
14 Calgary	10.1
15 Winnipeg	10.1

Student Awards
The five-year tally of the
number of students,
per 1,000, who have won
national awards

PRIMARY UNDERGRADUATE

1 Mount Allison	4.5
2 UBC	4.1
3 Acadia	3.8
4 Trent	3.1
5 UNBC	2.8
6 St. Francis Xavier	2.8
7 Winnipeg	2.7
8 Lethbridge	2.5
9 Moncton	2.5
10 Laurier	2.5
11 Lethbridge	2.7
12 Saint Mary's	2.8
13 Acadia	2.3
14 Yorkville	2.2
15 Brandon	2.2
16 Winnipeg	2.2
17 Ryerson	2.2
18 Cape Breton (ACOB)	2.2
19 Mount Saint Vincent	2.2
20 St. Thomas	2.2

COMPREHENSIVE

1 Wilfrid Laurier	5.8
2 Carleton	5.8
3 Carleton	5.8
4 Simon Fraser	3.1
5 Victoria	4.6
6 New Brunswick	4.6
7 York	3.2
8 Regina	3.2
9 Concordia	2.3
10 Wilfrid Laurier	3.2
11 Wilfrid Laurier	1.4

MEDICAL DOCTORAL

1 McGill	25.8
2 UBC	23
3 UBC	22.4
4 Toronto	21.4
5 Laval	15.2
6 McGill	15.2
7 Montreal	15.2
8 Ottawa	11.4
9 Laval	11.2
10 Montreal	11
11 Wilfrid Laurier	10.9
12 Calgary	10.2
13 Winnipeg	10.1
14 Saskatchewan	10.1



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Classes | For undergraduates, the classroom is the front line of learning. Maclean's takes account of the percentage of students in each of six distinct class-size ranges. And, since tenure is a significant measure of a faculty member's worth, Maclean's measures the commitment of universities to placing tenured and tenure-stream professors at the head of first-year classes.



Western professor Francis Chao guides a student through the finer points of anatomy

Classes Taught by Tenured Faculty

Maclean's measures the percentage of first-year classes taught by tenured or tenure-track professors.

PRIMARILY UNDERGRADUATE

	Per cent
1. Brandon	85.7
2. Trent	85.4
3. Mount Allison	77
4. Saint Mary's	71
*5. Cape Breton (NCCB)	70.7
*6. St. Francis Xavier	70.7
7. Laurier	70.6
8. Lethbridge	70
9. UBC	69.2
10. Brock	69.5
11. Nipissing	68.7
12. Lethbridge	63.8
13. Ryerson	61.4
14. UNBC	59.6
15. Moncton	59.1
16. Acadia	56.8
17. Mount Saint Vincent	55.1
18. Winnipeg	52.8
19. Bishop's	48.3
20. St. Thomas	44.6
21. Wilfrid Laurier	38.3

COMPREHENSIVE

1. Waterloo	91
2. York	72.8
3. Carleton	68.6
4. Windsor	61.3
5. Yorkville	61.1
6. Nova Brunswick	57.6
7. Simon Fraser	49
8. Victoria	47.1
*9. Concordia	42.7
*10. Regina	43.7
11. Carleton	38.3

MEDICAL DOCTORAL

1. Western	72.6
2. Toronto	70.9
3. Ottawa	63.6
4. Laval	63.2
5. Calgary	61.8
6. Moncton	61.7
*7. McMaster	61.7
*8. Sherbrooke	61.7
9. Saskatchewan	58.7
10. Dalhousie	58.4
11. Queen's	55.2
12. Manitoba	50.3
13. Alberta	46.8
14. McGill	42.9
15. UBC	38.7

*Rounded to 1% for descriptions of the methodology page 36

Percentage of Students in Each Class-size Range
First- and second-year level

PRIMARYLY UNDERGRADUATE

	1-25	26-50	51-100	101-150	151-200	201-500	501+
1 Wilfrid	15.4	56.7	13.7	3.6	none	none	none
2 Mount Saint Vincent	27.3	49.7	12.4	5.6	none	none	none
3 Cape Breton (UNBC)	27.3	27.3	35.3	5.4	none	none	none
4 Acadia	24.0	25.7	11.0	7.1	none	none	none
*5 St Thomas	17.7	40.77	41.5	6.0	none	none	none
*6 Windsor	16.3	44.0	18.8	4.7	none	none	none
7 Moncton	15.0	27.7	29.7	26.8	5.5	none	none
8 Laurentian	12.5	26.3	23.5	15.0	none	none	none
9 St. Francis Xavier	10.5	25.0	27.4	4.6	none	none	none
10 UPEI	12.5	21.30	11.25	13.34	none	none	none
*11 St. John's	12.04	35.02	25.47	14.43	none	none	none
*12 York	10.97	12.85	34.35	10.02	none	none	6.36
13 Saint Mary's	10.74	33.01	33.33	14.21	none	none	none
14 Assiniboia	12.31	44.50	31	10.11	none	none	none
15 UNBC	21.61	32.49	26.74	20.12	none	none	none
16 Lethbridge	15.24	29.75	27.37	12.13	none	none	none
17 Ryerson	6.5	34.34	27.52	29.64	3.0	none	none
18 Laurier	12.81	24.64	34.99	26.41	2.37	none	none
19 Mount Allison	19.38	21.64	30.25	29.29	none	none	none
20 Brock	9.71	24.27	24.61	32.4	10.11	none	none
21 Wilfrid Laurier	6.1	26.64	41.6	26.47	7.1	none	none

COMPREHENSIVE

	1-25	26-50	51-100	101-150	151-200	201-500	501+
1 Memorial	15.61	44.27	31.03	5.2	5.9	none	none
2 Concordia	13.67	32.79	36.71	13.61	none	3.37	none
3 New Brunswick	15.47	31.63	36.50	14.45	5.96	none	none
4 Regent	16.08	29.97	24.5	26.8	2.94	1.92	none
5 New Brunswick	16.07	37.85	33.57	26.48	2.33	none	none
6 Guelph	21.72	32.15	15.26	26.74	17.02	none	none
7 Victoria	15.67	33.61	29.48	19.68	13.62	none	none
8 Carleton	6.55	32.65	38.38	26.48	10.79	none	none
9 Simon Fraser	9.19	32.7	26.12	42.5	12.91	none	none
10 York	6.33	31.15	23.62	40.76	16.43	1.3	none
11 Waterloo	5.1	32.22	22.94	48.15	11.1	none	none

MEDICAL DOCTORAL

	1-25	26-50	51-100	101-150	151-200	201-500	501+
1 Sherbrooke	15.67	31.32	16.67	17.38	5.27	none	none
2 Windsor	17.19	31.93	31.42	17.58	10.19	1.47	none
3 Laval	14.51	35.64	21.12	25.6	3.9	none	none
4 Ottawa	13.19	34.94	31.19	19.67	3.6	none	none
5 Saskatchewan	11.1	24.12	25.24	27.8	7.05	none	none
6 Dalhousie	10.93	24.93	37	29.61	4.51	none	none
7 Brandon	5.16	31.12	36.16	16.86	6.61	none	none
8 Alberta	9.83	30.82	31.74	22.38	12.4	none	none
9 Calgary	7.22	34.58	27.52	24.48	5.27	none	none
10 UNBC	7.23	37.88	27.85	26.8	15.51	1.21	none
11 Queens	5.77	32.87	26.65	26.24	11.54	none	none
12 McGill	7.83	32.33	23.15	36.44	15.49	6.19	none
13 Toronto	7.47	32.61	29.0	44.82	15.52	6.81	none
14 McMaster	4.71	32.81	18.71	46.81	21.65	none	none

Percentage of Students in Each Class-size Range
Third- and fourth-year level

PRIMARYLY UNDERGRADUATE

	1-25	26-50	51-100	101-150	151-200	201-500	501+
1 Mount Saint Vincent	55.27	34.78	none	none	none	none	none
2 Acadia	63.8	26.2	none	none	none	none	none
3 York	51.49	33.93	18.58	none	none	none	none
*4 Moncton	55.86	40.01	4.32	none	none	none	none
*5 UNBC	49.81	35.54	14.1	none	none	none	none
6 Carleton	52.73	36.0	7.31	none	none	none	none
7 Wilfrid	51.41	45.22	3.37	none	none	none	none
8 Cape Breton (UNBC)	51.64	32.09	7.99	2.44	none	none	none
9 Saint Mary's	46.86	45.12	3.35	none	none	none	none
10 Acadia	42.12	55.41	4.06	none	none	none	none
11 Winnipeg	52.81	29.06	3.31	4.8	none	none	none
*12 Mount Allison	52.33	26.49	3.46	2.37	none	none	none
*13 Lethbridge	45.51	41.04	14.47	none	none	none	none
14 St. Francis Xavier	44.67	44.09	18.31	none	none	none	none
15 Lethbridge	43.51	41.32	15.37	none	none	none	none
16 UNBC	41.44	43.26	15.2	none	none	none	none
17 St. Thomas	39.01	36.1	24.52	none	none	none	none
18 Brock	31.08	42.29	19.17	4.23	none	none	none
19 Mount Allison	31.07	50.42	14.59	2.02	none	none	none
20 Lethbridge	26.49	41.44	21.07	4.62	none	none	none
21 Ryerson	15.28	45.44	31.34	7.92	none	none	none

COMPREHENSIVE

	1-25	26-50	51-100	101-150	151-200	201-500	501+
1 Regina	55.26	42.17	11.12	3.66	none	none	none
2 Memorial	34.35	56.2	12.5	2.36	none	none	none
3 New Brunswick	26.28	46.96	23.61	3.16	none	none	none
4 Guelph	40.46	34.14	20.2	12.41	1.24	none	none
5 Concordia	21.52	41.65	25.50	6.38	none	none	none
6 Victoria	34.5	40.88	20.71	5.26	none	none	none
*7 Wilfrid	23.26	23.5	29.75	7.48	none	none	none
*8 York	25.6	33.41	25.71	13.67	none	none	none
9 Simon Fraser	11.85	34.89	26.65	26.1	1.52	none	none
10 Waterloo	16.73	36.64	34.75	8.36	1.52	none	none
11 Carleton	23.58	29.5	31.05	15.88	1.75	none	none

MEDICAL DOCTORAL

	1-25	26-50	51-100	101-150	151-200	201-500	501+
1 Saskatchewan	32.77	41.29	22.16	3.85	none	none	none
2 Dalhousie	35.87	33.48	23.62	1.9	none	none	none
3 Windsor	35.07	35.08	23.9	7.11	none	none	none
4 Sherbrooke	34.21	31.48	23.11	6.82	none	none	none
5 Moncton	37.51	29.52	31.54	2.12	none	none	none
*6 Calgary	35.87	35.68	25.12	11.34	none	none	none
*7 Memorial	44.73	33.49	31.36	5.22	none	none	none
8 Ottawa	26.79	33.84	31.12	8.05	none	none	none
9 Alberta	35.81	26.45	25.54	1.68	1.1	none	none
10 Laval	25.15	30.12	35.17	12.96	6.22	none	none
*11 Wilfrid	25.73	29.61	29.6	26.91	1.33	none	none
*12 Queens	25.73	32.62	33.24	27.8	1.24	none	none
13 Toronto	22.12	29.75	36.09	22.94	2.53	none	none
14 McMaster	22.88	34.2	36.32	26	none	none	none
15 UNBC	11.84	31.22	30.25	23.26	2.15	none	none

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Faculty | The calibre of the faculty is vital to the students' own development. Maclean's calculates the percentage of faculty with a PhD. It also measures their success at winning national awards and peer-adjudicated grants from the three main federal granting agencies, as well as from the Canada Council.

Faculty with PhDs

Maclean's measures the percentage of full-time faculty with a PhD

PRIMARYLY UNDERGRADUATE

	Per cent
1 Saint Mary's	95.3
2 Acadia	94.4
3 St. Thomas	94.0
4 Wilfrid Laurier	93.5
5 Brock	91.4
6 St. Francis Xavier	90.9
7 Mount Allison	90.0
8 Laurentian	88
9 Trent	86.7
10 Lakehead	86.7
11 UNBC	86.6
12 Mount Saint Vincent	85.8
13 Winnipeg	81.3
14 UPE	80
15 Niagara	80.5
16 Brandon	78
17 Lethbridge	75.2
18 Memorial	73.5
19 Wilfrid Laurier	73.4
20 Ryerson	74.9
21 Cape Breton (UNCC)	74.3

COMPREHENSIVE

1 Waterloo	93.4
2 Uppsala	93.3
3 Windsor	93.2
4 Victoria	92.8
5 York	92.8
6 Concordia	92
7 Simon Fraser	92
8 Carleton	91.9
9 New Brunswick	92.6
10 Memorial	91.5
11 Regina	78.7

MEDICAL DOCTORAL

1 UBC	98.4
2 Toronto	98.1
3 Alberta	97.9
4 Ottawa	97.3
5 McMaster	96.9
6 Queen's	96.6
7 Memorial	96.6
8 York	95.2
9 McGill	94.9
10 Laval	94.8
11 Montreal	93.4
12 Calgary	93.3
13 Saskatchewan	91.2
14 Dalhousie	90.9
15 Maricopa	89.8

Faculty Awards

The five-year tally of the number of full-time professors, per 1,000, who have won national awards

PRIMARYLY UNDERGRADUATE

	Per 1,000
1 Trent	5.8
2 Lethbridge	5.3
3 Mount Allison	4.9
4 UPE	3.3
5 St. Thomas	2.9
6 Lakehead	2.6
7 Acadia	2.2
8 Laurentian	2.0
9 Brock	1.8
10 UNBC	1.6
11 Winnipeg	1.7
12 Wilfrid Laurier	1.9
13 Memorial	6.5
14 St. Mary's	none
15 Brock	none
16 Cape Breton (UNCC)	none
17 Mount Saint Vincent	none
18 Wilfrid Laurier	none
19 Ryerson	none
20 St. Francis Xavier	none
21 Saint Mary's	none

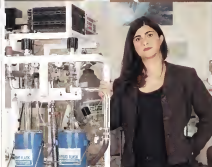
COMPREHENSIVE

1 Waterloo	6.2
2 Simon Fraser	6.5
3 Victoria	5
4 York	4.8
5 York	4.4
6 Windsor	3.4
7 New Brunswick	2.2
8 Carleton	1.7
9 Memorial	1.5
10 Carleton	2.8
11 Regina	3.5

MEDICAL DOCTORAL

1 McGill	19.7
2 Queen's	19.1
3 Toronto	18.1
4 UBC	9.6
5 Montreal	8.4
6 Montreal	6.3
7 Alberta	5.5
8 Laval	5.2
9 Ottawa	5.2
10 Calgary	4.8
11 Winnipeg	4
12 Montreal	3.6
13 Dalhousie	3.6
14 Saskatchewan	3.7
15 St. John's	2.9

Simon Fraser history professor Mark Sauer introduces students to Labour Studies 101 (top), in the lab with McGill University's Partha Arya, professor of ethnomusicology and oceanic sciences and chemistry



Social Sciences and Humanities Grants

Below are the average size and number of peer-adjudicated research grants from both the Social Sciences and Humanities Research Council and the Canada Council. The size of grants is listed per eligible full-time faculty member; the number of grants is per 100 eligible full-time faculty members. The ranking reflects a weighted average of the two.

PRIMARYLY UNDERGRADUATE

	Average size	Number
1 St. Francis Xavier	\$4,282	21.85
2 UNBC	4,138	26.48
3 Saint Mary's	3,186	38.68
4 Wilfrid Laurier	3,072	32.58
5 Brock	3,466	31.98
6 Wilfrid Laurier	3,581	33.55
7 UNBC	2,694	39.67
8 Trent	2,229	24.72
9 Mount Saint Vincent	2,154	30.1
10 Cape Breton (UNCC)	1,440	31.14
11 Lakehead	2,262	3.53
12 Innovation	2,325	3.94
13 Acadia	2,885	1.73
14 St. Thomas	1,221	6.7
15 Mount Allison	1,384	6.4
16 Ryerson	1,527	5.17
17 Lethbridge	930	6.87
18 Montreal	1,011	5
19 Kingston	576	4.84
20 Wilfrid Laurier	225	3.26
21 Laurentian	238	1.5

COMPREHENSIVE

1 Simon Fraser	\$4,580	33.05
2 Concordia	5,026	21.33
3 Victoria	5,371	21.03
4 York	5,574	25.35
5 Carleton	5,458	18.42
6 York	4,521	29.63
7 Wilfrid Laurier	4,830	36
8 Montreal	5,085	8.46
9 Regina	3,287	5.87
10 New Brunswick	3,830	3.23
11 Wilfrid Laurier	1,747	3.45

MEDICAL DOCTORAL

1 Toronto	\$64,350	42.73
2 UBC	14,993	37.48
3 McGill	9,762	42.75
4 Montreal	16,181	33.89
5 McMaster	16,460	34.44
6 Alberta	30,952	29.44
7 Laval	5,332	33.63
8 Ottawa	16,252	28.52
9 Calgary	5,421	21.74
10 Queen's	6,230	35.14
11 Windsor	7,880	21.3
12 Dalhousie	4,737	34.63
13 Montreal	3,836	11.61
14 Saskatchewan	3,346	36.46
15 Saint John's	3,750	36.73

Medical/Science Grants

Here are the average size and number of peer-adjudicated research grants from both the Natural Sciences and Engineering Research Council and the Canadian Institutes of Health Research. The size of grants is listed per eligible full-time faculty member; the number of grants is per 100 eligible full-time faculty members. The ranking reflects a weighted average of the two.

PRIMARYLY UNDERGRADUATE

	Average size	Number
1 Trent	\$18,610	83.93
2 Lethbridge	29,750	52.54
3 Mount Allison	15,445	81.82
4 St. Francis Xavier	17,497	42.26
5 Brock	31,448	87.82
6 Wilfrid Laurier	25,260	79.77
7 Ryerson	15,818	87.29
8 Saint Mary's	15,752	86.1
9 Lethbridge	15,441	87.78
10 Laurentian	18,907	87.52
11 UNBC	14,008	99.94
12 Acadia	11,127	92.37
13 UPE	13,092	49.12
14 Wilfrid Laurier	9,524	96.62
15 Memorial	9,922	41.52
16 Kingston	5,347	25
17 Brandon	5,275	24.99
18 Cape Breton (UNCC)	5,052	28.09
19 Bishop's	1,830	29
20 Mount Saint Vincent	7,812	13.64
21 St. Thomas	N/A	N/A

COMPREHENSIVE

1 Victoria	\$40,538	755.45
2 Carleton	31,087	359.73
3 Simon Fraser	53,862	148.73
4 Wilfrid Laurier	24,438	133.23
5 York	46,112	133.23
6 Carleton	36,175	109.4
7 Carleton	48,880	102.72
8 Wilfrid Laurier	30,478	104.74
9 Regina	12,140	78.12
10 New Brunswick	22,496	74.24
11 Memorial	25,414	63.17

MEDICAL DOCTORAL

1 Toronto	\$336,130	194
2 McGill	91,474	162.86
3 UBC	92,445	128.52
4 Montreal	79,414	154.75
5 McMaster	76,107	156.58
6 Ottawa	73,659	129.3
7 Montreal	75,119	124.99
8 Queen's	75,904	102.92
9 Calgary	58,433	105.29
10 Laval	62,775	104.16
11 McMaster	56,067	94.4
12 Vancouver	67,963	104.9
13 Montreal	42,359	96.96
14 Dalhousie	77,105	74.17
15 Saskatchewan	49,458	63.45

Library | The library is the heart of many campuses. Maclean's measures the commitment to library funding, including electronic access, as well as the collection's size and currency.



A wealth of offerings at Toronto's Robarts Library (top) and convenience at Bishop's.

Total Library Holdings

This indicator measures total holdings in all campus libraries, acknowledging the importance of extensive off-campus collections at liberal arts and universities.

MEDICAL DOCTORAL

	in millions
1 Toronto	14,779
2 Alberta	5.7
3 UBC	4,038
4 Alberta	3,598
5 Montreal	5,907
6 Queen's	5,294
7 Calgary	4,627
8 McGill	4,224
9 Saskatchewan	3,241
10 Lund	3,321
11 Ottawa	4,153
12 Montreal	3,322
13 McMaster	3,037
14 Dalhousie	2,854
15 Sherbrooke	3,794

Holdings per Student

These figures show the number of volumes in all campus libraries, divided by the number of full-time equivalent students.

PRIMARYLY UNDERGRADUATE

1 Acadia	364
2 Brandon	326
3 Mount Allison	307
4 St. Thomas	281
5 UPEI	254
6 Moncton	275
7 St. Francis Xavier	252
8 Bishop's	238
9 Lethbridge	230
10 Lakehead	221
11 UNBC	220
12 Trent	218
13 Lethbridge	215
14 Mount Saint Vincent	202
15 York	181
16 Cape Breton (UNCB)	181
17 Wilfrid Laurier	180
18 Saint Mary's	152
19 Brock	150
20 Winnipeg	138
21 Ryerson	74

COMPREHENSIVE

1 Memorial	312
2 New Brunswick	264
3 Victoria	233
*4 Guelph	227
*6 Windsor	221
6 Regina	219
7 Carleton	204
8 Waterloo	172
9 York	164
10 Concordia	152
11 Simon Fraser	133

MEDICAL DOCTORAL

1 Alberta	349
2 Queen's	318
3 Toronto	290
4 Saskatchewan	266
5 Western	265
6 UBC	262
7 Ottawa	230
8 Calgary	217
*9 Lund	187
*10 McGill	187
11 McMaster	182
12 Waterloo	173
13 Windsor	182
14 Dalhousie	160
15 Sherbrooke	146

Acquisitions

To gauge the currency of resources, Maclean's measures the proportion of the library budget allocated to updating the university's collection, including electronic access.

PRIMARYLY UNDERGRADUATE

1 UNBC	49.34
2 Lakehead	46.37
3 Mount Saint Vincent	43.71
4 St. Francis Xavier	41.46
5 Ryerson	39.14
6 Brandon	35.15
7 Windsor	31.99
8 Brock	30.9
9 Mount Allison	30.85
10 Moncton	28.54
11 UPEI	35.11
12 Wilfrid Laurier	35.4
13 Saskatchewan	34.94
14 Acadia	33.39
15 Bishop's	32.14
16 Lethbridge	32.25
17 Trent	32.45
18 Saint Mary's	31.50
19 Brandon	31.36
20 St. Thomas	29.27
21 Cape Breton (UNCB)	28.29

COMPREHENSIVE

1 Regina	53.45
2 Simon Fraser	46.29
3 Windsor	41.61
4 Memorial	41.61
5 Waterloo	40
6 Victoria	48.46
7 Carleton	38.42
8 Concordia	39.65
9 York	39
10 Carleton	39.5
11 New Brunswick	29.17

MEDICAL DOCTORAL

1 Toronto	51.14
2 Windsor	50.48
3 McGill	48.52
4 Queen's	48.55
5 Saskatchewan	48.55
6 Vancouver	49.12
7 McMaster	42.69
8 Saskatchewan	42.6
9 Lund	48.7
10 Alberta	45.77
11 UBC	45.35
12 Montreal	46.16
13 Ottawa	50.2
14 Manitoba	50.52
15 Calgary	51.96

Expenses

A measure of financial commitment, this indicator shows the percentage of the university budget devoted to maintaining library services.

PRIMARYLY UNDERGRADUATE

	Per cent
1 Bishop's	7.85
2 UNBC	7.29
3 Mount Allison	5.55
4 Winnipeg	5.32
5 Moncton	6.32
6 Brock	8.17
7 Lakehead	5.03
8 Wilfrid Laurier	5.89
9 Trent	5.2
10 Lethbridge	5.5
11 St. Thomas	5.43
12 Acadia	5.82
13 St. Francis Xavier	5.34
14 Saint Mary's	5.12
15 Brandon	5.11
16 Laurier	4.89
17 Mount Saint Vincent	4.96
18 Wilfrid Laurier	4.66
19 UPEI	4.52
20 Cape Breton (UNCB)	4.1
21 Ryerson	3.82

COMPREHENSIVE

1 Memorial	3.47
2 Regina	3.51
3 Carleton	6.25
4 New Brunswick	6.94
5 Simon Fraser	6.57
6 Windsor	6.24
7 Victoria	6.3
8 Waterloo	6.23
9 Guelph	6.98
10 York	5.77
11 Concordia	5.35

MEDICAL DOCTORAL

1 Toronto	5.37
2 UBC	8.15
3 McGill	7.79
4 Saskatchewan	7.15
5 Queen's	6.87
6 Windsor	5.54
7 Saskatoon	5.52
8 Alberta	6.45
9 Montreal	5.25
10 Calgary	5.69
11 McMaster	5.5
12 Dalhousie	5.62
13 Ottawa	5.3
14 Lund	5.28
15 Sherbrooke	4.87

Reputation | A solid reputation attracts the best students and professors—and gives graduates an enviable calling card. Maclean's measures a university's reputation with the community at large, as well as its own alumni.



Second-year students collaborating in an electrical and computer engineering lab at the University of Waterloo

National Reputational Ranking

This ranking combines 48 of 47 universities from the three categories into one group. It reflects the opinion of a diverse range of voices: high school guidance counsellors from every province and territory, university officials at each ranked institution, the heads of a wide variety of national and regional organizations, plus CEOs and recruiters at corporations large and small.

When soliciting the views of the various respondents, Maclean's asked each individual to complete a national survey. University officials and guidance counsellors also completed regional surveys. Consulting statisticians from McLaughlin Scientific Ltd. combined the two surveys to produce the final results.

BEST OVERALL

1. Waterloo
2. Toronto
3. McGill
4. Queen's
5. Alberta
6. McMaster
7. UBC
8. Guelph
9. Simon Fraser
10. Western
11. Arizona
12. Memorial
13. York
14. York
15. Wilfrid Laurier
16. McGill
17. York
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HIGHEST QUALITY

1. McGill
2. Toronto
3. Queen's
4. Waterloo
5. UBC
6. McMaster
7. Alberta
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MOST INNOVATIVE

1. Waterloo
2. Toronto
3. McMaster
4. Alberta
5. Queen's
6. Guelph
7. Simon Fraser
8. McGill
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LEADERS OF TOMORROW

1. Toronto
2. Waterloo
3. McGill
4. Queen's
5. Alberta
6. UBC
7. McMaster
8. Guelph
9. Memorial
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Alumni Support

Maclean's measures the percentage of alumni who made gifts to the university over a five-year period.

PROFESSOR UNDERGRADUATE

- | Per cent | 1. St. Francis Xavier | 20.5 |
|------------------------------|-----------------------|------|
| 2. Nipissing | 19.1 | |
| 3. Marquette | 18.5 | |
| 4. Windsor | 16.2 | |
| 5. Bishop's | 15.0 | |
| 6. Saint Mary's | 14.6 | |
| 7. Mount Allison | 14.2 | |
| 8. St. Thomas | 13.1 | |
| 9. Wilfrid Laurier | 12.2 | |
| 10. Acadia | 11.4 | |
| 11. Trent | 10.8 | |
| 12. Mount Saint Vincent (NS) | 10.6 | |
| 13. Lakehead | 10.1 | |
| 14. UPEI | 9.6 | |
| 15. Brock | 9.4 | |
| 16. Ryerson | 9.3 | |
| 17. Lakehead | 9.2 | |
| 18. Cape Breton (NS) | 9.0 | |
| 19. Laurier | 8.8 | |
| 20. Brandon | 8.2 | |
| — (UMBC) | 6.0 | |

COMPREHENSIVE

- | | |
|------------------|------|
| 1. Notre-Dame | 29.4 |
| 2. Concordia | 26.8 |
| 3. Guelph | 16.5 |
| 4. Simon Fraser | 14.1 |
| 5. Memorial | 14.0 |
| 6. Windsor | 13.0 |
| 7. Carleton | 12.3 |
| 8. New Brunswick | 11.4 |
| 9. York | 11.2 |
| 10. Victoria | 10.8 |
| 11. Regina | 9.8 |

MEDICAL DOCTORAL

- | | |
|------------------|------|
| 1. Western | 25.4 |
| 2. Waterloo | 24.2 |
| 3. Sherbrooke | 20.1 |
| 4. McGill | 18.1 |
| 5. Queen's | 17.8 |
| 6. Calgary | 17.5 |
| 7. UBC | 15.8 |
| 8. Memorial | 15.7 |
| 9. McMaster | 15.7 |
| 10. Guelph | 13.8 |
| 11. York | 13.5 |
| 12. Alberta | 13.4 |
| 13. Ottawa | 13.4 |
| 14. Saskatchewan | 12.1 |
| 15. Laval | 9.8 |

Source: Maclean's. Full description of the methodology on page 12.

UMBC, which opened in 2004, is considered from secondary information data. The information from these sources measures alumni gifts over a five-year period. (UMBC's relative grade includes 0.) Rank regarding secondary data is indicated with the following indicators.

The bottom line | what does it really cost to get an undergraduate education in Canada? Well, that depends on where you want to study. On average, tuition for the typical undergraduate has risen more than 85 per cent, in today's dollars, since 1990. But the cost varies enormously across the country. The big news this year was the deregulation of tuition in British Columbia: after a six-year freeze, undergraduate fees rose between 22 and 38 per cent. Even so, tuition levels remain considerably lower than in the most costly province, Nova Scotia. And while most provinces increased tuition fees at a much more conservative rate, Newfoundland headed in the opposite direction, decreasing tuition by 19 per cent for the second year in a row. Meanwhile, Manitoba awarded students a 10-per-cent rebate on fees frozen at last year's level.

And then there's Quebec, where the story is a little more complicated. Yes, Quebec students pay a pittance compared with their peers in Nova Scotia—as long as they are residents of the province. And thanks to an international agreement, students from French-speaking countries, including Senegal and Belgium, get the same deal. For these students, fees have been frozen since 1994. But for students from elsewhere in Canada, no such luck: tuition has been rising steadily.

Given the wide range of fees, Maclean's has ranked the universities with a student's pocketbook in mind. All fees are for undergraduate arts and science programs as of September, 2002. The names of several universities appear twice: Quebec institutions where out-of-province fees apply, and universities where there are different fees for arts programs and science programs.



Showing a quiet moment on the campus of Université de Sherbrooke.

UNIVERSITY	TUITION	COMPLUSORY FEE	TOTAL
Sherbrooke (Quebec students)	\$3,658	\$295	\$3,953
York (Quebec students)	3,444	301	3,745
Montréal (Quebec students)	3,668	392	4,060
Concordia (Quebec students)	3,658	841	4,499
Edinburgh (Quebec students)	3,668	892	4,560
McGill (Quebec students)	3,668	1,143	4,811
UPEI	3,661	223	3,884
Brandon (Arts)	2,728	184	2,912
Waterloo (Arts)	3,188	156	3,344
Simon Fraser	2,653	236	2,889
McMaster	2,678	463	3,141
Victoria	2,796	321	3,117
Brandon (Science)	2,566	191	2,757
Waterloo (Science)	3,218	155	3,373
UNBC	2,725	196	2,921
Manitoba	3,259	338	3,597
St. Thomas	3,528	114	3,642
McGill	3,426	99	3,525
Regina (Arts)	2,683	283	2,966
Regina (Science)	4,883	283	5,166
Sherbrooke (out-of-province students)	4,303	285	4,588
Yorkville	3,426	436	3,862
UPEI	3,670	445	4,115
York (out-of-province students)	4,303	321	4,624
Saskatchewan (Arts)	4,388	292	4,680
Manitoba (out-of-province students)	4,303	383	4,686
Lynnville	4,186	311	4,497
Orissa	4,385	393	4,778
Calgary	4,130	323	4,453
Lakehead	4,980	423	5,403
Alberta	4,832	469	5,301
York	4,187	476	4,663
New Brunswick	4,265	276	4,541
Waterloo	4,813	444	5,257
Brandon	4,885	355	5,240
Carleton	4,870	343	5,213
McMaster	4,812	316	5,128
Saskatchewan (Science)	4,539	375	4,914
York	4,306	379	4,685
Yorkville	4,316	313	4,629
York	4,306	408	4,714
Victoria (Arts)	4,306	408	4,714
Concordia (out-of-province students)	5,612	407	6,019
Guelph	4,138	323	4,461
Queen's	5,116	312	5,428
Victoria	5,005	408	5,413
Toronto	5,187	346	5,533
Edinburgh (out-of-province students)	5,612	407	6,019
Saint Mary's (Arts)	4,685	254	4,939
Mount Saint Vincent	4,515	422	4,937
Saint Mary's (Science)	4,753	254	5,007
McGill (out-of-province students)	4,003	513	4,516
Mount Allison	4,685	184	4,869
Cape Breton (ACSB)	4,583	345	4,928
Regina	4,581	314	4,895
Edinburgh (Arts)	4,496	486	4,982
St. Francis Xavier	4,480	344	4,824
Edinburgh (Science)	5,520	484	6,004
Acadia	5,584	321	5,905

2002 GUIDE TO ONTARIO COLLEGES

PROFILING ONTARIO'S COLLEGES

OF APPLIED ARTS & TECHNOLOGY



2002 GUIDE TO ONTARIO COLLEGES

Ontario's Colleges: Preparing Generations For Real-Life Careers

Quality counts as much as choice when it comes to career education. So do programs that are current and feature the flexibility to keep up with changing times. That's what Ontario colleges offer.

- Innovative, market-responsive programs that are attuned to business and industry and meet rigorous standards
- Dynamic learning environments supported by industry standard technology
- Internationally recognized skills
- Experienced faculty connected to the real world of work
- Hundreds of career choices

The graduates of Ontario colleges get the right start for successful careers in dozens of key professions that make the province a vital place to live and work. Equipped with these specialized skills, many move on to make their mark beyond the world.

Ontario colleges provide the education that graduates need to become pilots, nurses, bio technicians, computer programmers, engineering technologists, inventors, fashion designers, seasonal planners, social service workers, television producers, human resources professionals, retail managers, veterinary technicians and so many more of the people it takes to make our world work every day.

Fast Facts About Ontario Colleges

- 24 colleges of Applied Arts in Technology and one Institute for Applied Health Sciences
- 650 learning sites in 200 communities across Ontario
- 158,000 full-time and approximately 570,000 part-time students annually
- 85 per cent of graduates found employment within six months

Find out more at: www.ontariocolleges.ca
Ontario's Colleges: Real careers for real life

Algonquin College Cutting-Edge Training

New celebrating 35 years of excellence in post-secondary education, Algonquin College is proud of its accomplishments. Fall 2002 marked the opening of the college's \$23-million Advanced Technology Centre (ATC) which houses School of Advanced Technology programs, focusing on Photonics, Robotics, Telecommunications and Network Technologies. Providing truly cutting-edge training, the ATC reinforces the college's stellar record in the technology field. In fact, Algonquin College boasts the most winners in the technology category of the Ontario Premier's Awards. In the past year, Algonquin College became a degree-granting institution and now offers a Bachelor of Applied Business Administration in e-Business Supply Chain Management. This degree demonstrates how closely Algonquin is keeping a finger on current business requirements. Such is the case for all five colleges schools: Advanced Technology, Business, Hospitality and Tourism, Health and Community Studies, Media and Design, Transportation and Building Trades, and Academic Advancement and Languages. The Ottawa Valley campus in Pembroke, for example, often courses that address the growth in the outdoor adventure business sector. The Perth campus provides heritage interpretive and education training that has attracted attention across North America. The Ottawa Police Services has made Algonquin Police and Public Safety Institute its professional development centre.

A hybrid high-tech, high-touch model of education initiated last year has expanded Algonquin's use of information technology in support of teaching. More than 400 courses offered to 3,800 students blend classroom time with on-line learning activities. Known as hybrid e-learning, this flexible programming enables professors to provide instruction suited to the learning style of all students. In an effort to further improve program flexibility, Algonquin's distance education now includes five diplomas and 20 certificate programs and 360 courses, available both electronically and in print.

The future for Algonquin College looks bright—and busy. Currently, the college's post-secondary and continuing education programs attract students from 58 countries around the world. To prepare for the anticipated increase in admissions over the next few years, the college will build a third student residence, scheduled to open in fall 2003. The residence will provide an additional 300 beds, bringing the total to 1,400, and will round out the already extensive student facilities, including the new \$3.6-million Student Association fitness centre.

Such expansion is in keeping with Algonquin's belief that investment in education today will have a payback impact far decades to come. Algonquin College's three Premier's Award winners in technology serve to reinforce that belief. Hence Algonquin's slogan: The people who will shape tomorrow...start here!



**ALGONQUIN
COLLEGE**

Fast Facts About Us

Web site: www.algonquincollege.com

Campus: Ottawa (Ottawa area), Pembroke, Perth

Enrollment: Full-time 12,814; Continuing education 40,800 (regional)

Faculty: Full-time 403; Part-time 880

Tuition: Standard \$2,182; including ancillary fees (Bilingual) \$2,196; \$15,195 International; \$18,182-\$23,195

On-campus housing: 700 beds (an additional 350 beds under construction)

Financial aid: \$15 million

Admissions: 1-800-365-4723

Ottawa: 613-727-8082; Pembroke: 613-725-4700; ext. 2708

Perth: 613-267-2855; TTY: 613-727-1768

E-mail: registrar@algonquincollege.com

Most popular programs: Police, Forensics, Dental Hygiene, Paramedics, Early Childhood Education, Child and Youth Worker, Social Service Worker, Business Administration, Photography, Broadcasting/Journalism, Massage Therapy

Co-op programs: 11

University articulation agreements: Athabasca, Carleton, Queen's, Lakehead, Laurentian, UBC Okanagan, McMaster, New Brunswick, Stirling, Ottawa, Yorkville, York, Western, Western Sydney, Stirling, St. Lawrence



Collège Boréal

The Bilingual Advantage

This year, Collège Boréal has extended its mandate to serve a territory covering two-thirds of Ontario. In order to meet the expectations of francophones in the northern and central-southern areas of the province with regard to education, training and services, it is essential that we work in close cooperation with the different communities in these regions.

Language is the focal point of our college, as is clearly shown by the results of several recent surveys on performance indicators. During the last two years, Boréal placed at the top of all Ontario colleges, first for employer satisfaction with our students, and more recently, for graduate satisfaction. Our college also has an outstanding reputation for its approach to integrating technologies in the classroom, its rich stock of on-site labs and facilities and the use of particular computers in many programs.

To facilitate our graduates' access to the job market, we developed the Job Guaranteed Project, which offers unsurpassed support after

graduation. As part of this unique initiative, Collège Boréal makes the following commitment to the students at eight of its programs: "Should a graduate not find a job within 18 months after graduation or if the job provided unsatisfactory for any reason whatsoever, he or she will be able to register in a second program without having to pay tuition fees."

Also, preparing our students to work in both official languages gives them an edge when seeking employment. In an increasingly competitive world, being able to work in several languages is a significant asset, if not a requirement. Being bilingually aware of the market demand, well trained in information technology and bilingual, our graduates are sought after throughout our region, province and beyond.

We invite you to take a close look at Collège Boréal. Be get to know our programs and services, visit our Web site and talk to our learners. We are convinced that you will feel welcome and that there is a place for you at Collège Boréal.



Fast Facts About Us

Web site: www.boreal.ca

Campus: 1400 Boulevard Rive-Nord, Sault Ste. Marie, Ontario

Location: Sault Ste. Marie

President: Geoff Chabot

Admissions and records: 21 Lucile Blvd., Sault Ste. Marie, ON P3A 6H1

Admission: 705-540-6672 ext. 1000

Financial aid: 705-540-6673 ext. 1040

Students: Full-time: 1,500 Part-time: 180 New-enrol: 1,100

Where they come from: High school: 54% Workforce: 4%

Faculty: Full-time: 98 Part-time: 10

Tuition: Diploma programs: \$2,350 including on-site fees and international students: \$8,145

Financial aid: \$200,000

Open-access computers: 930

Cambrian College

Synonymous with Excellence

Cambrian College is synonymous with academic excellence, innovative thinking and progressive approaches and solutions. Situated on a picturesque site in the heart of one of Sudbury's major entertainment and shopping areas, Cambrian is a great place to live and learn to better enter society and to set the stage for future personal and professional success.

"Our focus," says Cambrian President Silvio Barnard, "is to provide an educational experience that encompasses both the academic and social aspects of life that combines theory with practical exposure to the most modern equipment and that links to business, industry and the economic development of our country."

Cambrian's main campus on Ramseytown Road is the hub of the college's operations. A recent 125,000 sq. ft. expansion provides Cambrian students with access to some of Ontario's most sophisticated programming in the skilled trades, information technology, health care, electrical and electronic fields. As well, it houses the college's applied research programs and eHome (Sudbury's University of Modular Learning) a cutting-edge, web-based facility that will provide global access to Cambrian's programming.

"We are educating for global opportunities," comments Barnard. "This initiative certainly supports that, and at the same time, positions Cambrian to provide the skills and knowledge base that are fundamental to the growth, development and longevity of the north and of the Sudbury community in particular. It also means that Cambrian is ready

for the increased number of students expected in 2003: the double cohort year!"

Students can choose from over 100 full-time programs and more than 800 part-time continuing education programs, courses, seminars, customized training packages and academic education opportunities. A number of these programs and courses are delivered through telelearning, independent study and the Internet.

Cambrian proudly boasts and nurtures a student-centred environment. Through a comprehensive student services area, programs and services are available to support student success and through an active and respected student government (Cambrian Students Inc.) students have the opportunity to be involved in both the social and operational dimensions of college life. Cambrian's commitment is also evidenced by its focus on the advancement of future education and by its status as a leader in meeting the needs of persons living a variety of learning challenges.

For the past 35 years, Cambrian has been preparing students for the changing economy and has been partnering with business and industry as well as with universities and other institutions, locally, nationally and internationally, to ensure that students have every academic and employment advantage. "Statistics tell us that we are on the right track; that we're successful in meeting student and employer needs," states Barnard. "We're pleased to have such a high satisfaction rate and are looking forward to the next 35 years of serving our many communities."



Fast Facts About Us

Web site: www.cambrian.ca

Campus: 1400 Ramseytown Road, Sudbury, Ontario P3A 7V8
705-555-8101, Ontario toll free: 1-800-461-7045

Service computer: Dynamics and Little Connect

President: Silvio Barnard

Students: Full-time: 3,100 Part-time: 10,000 International: 200+

Faculty: Full-time: 215

Tuition: Diploma programs: \$2,325 including ancillary fees
Certificates: \$275-\$2,345 Apprenticeship: \$2,345

International students: \$8,200

Computer access: 100 open access computers

Financial aid: \$610,000

On-campus housing: See Apts/Beds: 705-555-0501 ext. 7200
or enrollm@cambsun.ca

Library/Recording: Sound & Broadcast: 705-524-7203

Ontario toll free: 1-800-461-7045 ext. 7500 or admissions@cambsun.ca

Most popular programs: Computer Systems Technology, Nursing
Paramedic, Pre-Nursing, Food Safety, Child and Youth Worker, Industrial
Mechanical Millwright, Medical Radiation Technology, Human Resource
Administration, Tourism, Desktop Engineering, Child Training

Group education: Software, Business Technology, Records and
Information Technology, Management, Finance and Linear Management

Transfer agreements: Offered in: Aurora, Canada, Northwest and South
Atlantic and the University of Windsor, Jefferson and Regina

Canadore College

An Environment for Learning

From the time Canadore College opened its doors in 1967, we've taken pride in creating the best possible environment for learning.

Here in the beautiful city of North Bay, just 140 minutes north of Toronto and 15 minutes from the beautiful campus—the new Assizes Campus, Commerce Court and the Education Centre situated on a stunning 120-acre wooded environment overlooking the city. Within the walls of our campus, you'll find a personalized environment where you can excel in smaller-than-average classes and where you'll have your own academic adviser. Canadore is a place where every applicant has access to career counselling and our graduates go jobs.

At Canadore, you'll discover an extraordinary environment packed with activities and social events that will round out your education and make your college years more exciting and memorable. Participate in fresh work – a joint event run by the Canadore Students Representative Council and the Niagara University Student Union where new students are introduced to college life and to each other in an advisor-guided orientation walk. Visit The Well Bar & Grillhouse, a great place to relax and unwind with friends.

The Mall features a full outdoor-type menu and many exciting events and concerts.

Canadore students are also encouraged to participate in more than 40 different athletic and recreational programs—everything from intramural sports to wheelchair riding, snowboarding and freestyle riding. Popular recreational and winter sports include golf, football, volleyball, soccer, hockey and basketball.

Take advantage of all that Canadore College has to offer—contact us for more information about programs, services and student life or to arrange a tour!

Canadore College
100 College Drive PO Box 1000
North Bay ON P1B 8B0
705-474-7800 ext. 3440
info@canadore.on.ca

Be sure to visit our Web site: www.canadore.on.ca



Fast Facts About Us

Web site: www.canadore.on.ca

Campus: Canadore College has four campuses: The Lake Simcoe Centre (on campus), the Assizes Campus and Commerce Court campus, all located in North Bay. There is also a campus (also called the Lake Simcoe Centre) located in Georgian Mills.

Enrollment: Full-time: 3,000 Part-time: 1,500 per semester

Tuition: \$2,800 (low very depending on the program, some programs may also require purchase of specialized equipment or supplies)

On-campus housing: Townhouse-style residences accommodate 250 students and an off-campus housing list is available throughout the year.

Computer access: Computer labs are located throughout the college and libraries are available in residence.

Financial aid: More than \$140,000

Important phone numbers: Registrar's Office: 705-474-7800 ext. 5033
admissions@canadore.on.ca

Library office: 705-474-7800 ext. 3440 info@canadore.on.ca

Academic profile: Canadore College offers more than 70 full-time programs, as well as continuing education and Apprenticeship courses.

Most popular programs: Programs in our key academic sectors: Aviation, Hospitality/Events, Information and Communication Technologies and Health Care Community Services.

Transfer agreements/Cooperative programs: Graduates from many of our programs receive advanced standing, a head start, at other universities and colleges across Canada and the U.S. Be sure to speak to a program co-ordinator for details on agreements to help you have your diploma into a degree.

AN ENVIRONMENT FOR LEARNING



Centennial College

The Personal Touch

Centennial College is Ontario's first multicultural college with practical career-oriented programs taught at four campuses and two satellite locations.

Centennial offers more than 100 diploma, degree, applied degree and certificate programs on a full- and part-time basis in Business, Communications Arts, Community Services, Engineering Technology, Health and Transportation. These career-oriented programs emphasize practical experience with laboratory learning, industry and agency placements, as well as co-op education.

Some highlights:

- Centennial is the first college in Ontario to offer a post-graduate program in e-Commerce and we are the only college or university approved to offer an applied degree in Communication and Computer Networking.
- Now this year we have collaborative degree programs in Journalism, New Media and Photojournalism taught in partnership with the University of Toronto at Scarborough.
- We offer more than 1,000 continuing education courses.

The Centre for Customer Communications was one of the country's most respected interactive multimedia training facilities—the centre was named one of Canada's top new media schools by the editors of *Shift* magazine in 2000.

- Centennial College opened its nation's largest transportation training facility—Automotive Campus, with more than \$30 million worth of vehicles, vehicles and equipment—now hard to guarantee industry-relevant practice.
- Our innovative Modified Apprenticeship programs (MAPs) are taught in partnership with Ford, General Motors, Honda, Toyota, Canadian Tire, Freightliner and Volvo Trucks Canada.
- Our Health Sciences graduates are highly valued for their abilities in paramedics, nurses and medical assistants. The school has gained an excellent reputation for its unique Nursing Telepractice program.
- Centennial has begun construction on its fifth major campus: the Science and Technology Center at the University of Toronto at Scarborough, which is scheduled to open in January 2004. This new high-tech facility will feature programs in Business, Engineering Technology, Health Sciences and New Media Studies.



CENTENNIAL COLLEGE



Fast Facts About Us

Web site: www.centennialcollege.ca

Main line: 416-293-5000

Continuing education: 416-293-5297

International education: 416-293-5027 ext. 1247

Campus: Four in Ontario, on the way and two satellite locations (Plymouth & Scotland) and one Program Campus (DND India)

Financial aid: \$140,000

Enrollment in 2001: 17,000 full-time, 30,000 continuing education learners

Full-time student demographics: 50 per cent of our students are women, 10 per cent are working students, 20 per cent of age or younger, 20 per cent are 19 years of age or older, 45 per cent of full-time students were born outside Canada, 40 per cent of Continuing students speak a second language. More than 100 ethnic cultural groups are represented on campus, speaking more than 40 languages.

Prior to Centennial: 20 per cent of our population attended high school in a full-time, 25 per cent left full-time jobs, 12 per cent had worked part-time.

Academic exposure: 34 per cent have a Grade 12 diploma, 22 per cent have passed Ontario Advanced English, 12 per cent have all the credits to GAO, 12 per cent have a degree, university degree or had graduated from post-secondary education.

Most popular programs (based on applications): Business Admin courses, Programs in Public Health, Computer Systems Technology, Broadcasting Radio and TV, Visual Arts, Social Services, Child and Youth Worker, Advertising, College Programs, Family, Automotive Technology.

Conestoga College

Growth, Opportunity and Success

Since 1967 Conestoga College has grown and prospered along with the diverse, dynamic region it serves in southwestern Ontario. The region, also known as Canada's Technology Triangle, is one of the fastest growing, most prosperous parts of Ontario, home to numerous forward-looking businesses and industries with global reputations for innovation and excellence. The area also has strong rural traditions and a vibrant agricultural economy steeped in community values.

In serving the people and enterprises of southwestern Ontario, Conestoga is a thriving, comprehensive community college, committed to excellence and determined to achieve status as a top-quality polytechnic institute.

Each year, Conestoga graduates nearly 3,000 new professionals in areas such as Engineering Technology, Information Technology, Allied Trades, Business, Health Sciences, Community Services and Media/Communications.

In addition to this range of career fields, the college also has a variety of program options—full-time diploma and certificate programs, part-time programs, apprenticeship and prepayal studies, on-line courses, post-graduate evening and weekend classes and customized training for business and industry.



Conestoga is a partner in Ontario's largest degree-level nursing program, a fully integrated, four-year Bachelor of Science in Nursing in co-operation with Mohawk University and Mohawk College.

In 2003, the college will introduce its first two applied degree programs in Advanced Manufacturing Technology and Advanced Computer/Electronics Technology. Plans are well underway for more applied degree programs in other technology areas and in business, with a goal of 15-20 degree programs in the future.

On- or off-campus is also growing at Conestoga College. Employees' current programs are on- or off-campus and all approved and proposed applied degree programs have a strong on- or off-campus component.

Conestoga takes its commitment to excellence seriously for four consecutive years, the college has earned top overall ranking among Ontario's colleges on the Key Performance Indicator (KPI) survey, which measures graduates' employment rates and satisfaction levels, employee and student satisfaction. In addition, the college is fully registered under the ISO 9001 international quality system.

Growth opportunity and success are the Conestoga tradition. The Conestoga goal and the Conestoga promise.



Fast Facts About Us

Web site: www.conestogacollege.ca

Contact: 519-748-1220 ext. 2600 or info@conestogacollege.ca
(for information on courses, campus life, application procedures, admission fees)

Campuses: The Open Campus in Belleville offers degree and diploma programs in a variety of fields. The College's main campus is in Kitchener, offering a wide range of programs in business, health, technology, and community services.

Enrollment: Over 10,000 students, including over 1,000 full-time students. 2,500 students in the technology and engineering fields. A part-time student is a continuing education student and a full-time student is a continuing education student.

Facilities: Full-time: 250,000 sq. ft. (including 100,000 sq. ft. of new space)

System: Standardized facilities for all full-time students. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

On-campus housing: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Computers: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Financial aid: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Postgraduate programs: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Co-op education: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

University transfer: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

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Confederation College

Centre for the Education... Stay for the Lifestyle

Confederation College in Thunder Bay has developed a reputation as a learner-centred educational institution involving the knowledge and skills that employers demand. This approach ensures that students receive the experience that produces job-ready graduates. Small class sizes, a knowledgeable and experienced faculty and industry input resources ensure that Confederation College provides "Education that Works".

Through innovative courses, individualized and innovative, and innovative education delivery, Confederation College offers over 60 diploma and certificate programs in fields such as Aboriginal Studies, Aviation Business, Engineering Technology, Health Sciences, and Human Services.

Located on the banks of the Midway river, cycling paths and jogging trails overlook the 185-acre park-like main campus. Confederation College's reach, however, extends far beyond its limits. Regional campuses in Dryden, Fort Frances, Gravelton, Kenora, Moosonee and Sioux Lookout ensure that Confederation College fulfills its mandate as a regional institution serving all of northwestern Ontario.

The Aviation Centre of Excellence (ACE), a wing state-of-the-art aviation education and training center scheduled to open in autumn 2003, will integrate and expand Confederation College's nationally renowned aviation programs in Flight Management, Maintenance and Manufacturing. The new Confederation College Aviation Centre, which opened in the fall of 2003, addresses the needs of the local post-secondary industry by delivering education and training in new technology-enabled technologies to ensure a highly skilled labour supply. Substantive connections in northwestern Ontario and the Pacific Northwest.



competitive edge in the global community will be maintained through the Faculty Member/Operator and the co-op Faculty/Technician programs. Confederation College of Indigenous Studies provides Aboriginal-specific oriented diploma programs and training. As a student college throughout Confederation College, Indigenous students have the advantage of local relationships to serve the needs of all address. It provides a variety of services to students and support and addresses the educational goals of Aboriginal programs by facilitating community development and providing training opportunities through partnerships with Aboriginal communities.

We're also proud of the award-winning achievements of our students and staff. One current student, Lauren Semmens, was just named the top student in Canada after winning the national John C. Webster Memorial Trophy for his superior flying skills. Rob McCormick, a faculty member in the Multimedia Program, is the recent winner of Canada's prestigious Ontario WWI (International Highway) Award for his work in developing RealPointe 2000, a text-to-speech software program designed to facilitate reading for individuals with challenges.

Confederation College invites you to come for the education—then stay for the lifestyle. Thunder Bay is a safe, secure, clean community that's home to 125,000 people. This popular tourist destination is renowned for its outdoor recreational opportunities, cultural diversity and lively arts community. Big-city amenities combined with small-town friendliness make Thunder Bay the perfect community in which to live, work, study and play.

We want you to discover Confederation College—a centre of excellence.



Fast Facts About Us

Web site: www.confederationcollege.ca

Campus: Dryden, Fort Frances, Gravelton, Kenora, Moosonee, Sioux Lookout and Thunder Bay

Enrollment: Full-time: 3,126; Part-time: 10,000

Facilities: Full-time: 145,000 sq. ft. (including 100,000 sq. ft. of new space)

System: \$2,226,000; On-line: \$2,226,000; On-line: \$2,226,000

On-campus housing: 222,000 sq. ft. (including 100,000 sq. ft. of new space)

Computers: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Financial aid: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Postgraduate programs: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

Co-op education: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

University transfer: 1,000 sq. ft. of new space. 1,000 sq. ft. of new space. 1,000 sq. ft. of new space.

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Durham College

Your Choice for an Outstanding Future

How far can a Durham College education take you? Lack where our graduates get today and you'll find company presidents, financial executives, entrepreneurs, labour leaders and college professors, just to name a few.

With a first-time reputation spanning 35 years, Durham College offers more than 76 career-focused programs in Applied Sciences, Business, Communications Arts, Design, Health, Human Studies, Integrated Studies, Justice Studies, Skilled Trades and Technology. As well, our own-credited range of programs enables you to enhance your credentials by earning a post-diploma certificate in one year or less.

Durham College offers many unique advantages. Not only has our college earned the highest student satisfaction rating in the Greater Toronto Area for the past four years, nearly 80 per cent of our grads are employed within six months of graduation. In addition, every Durham College graduate is backed by an employer guarantee.



Opening in September 2003, Canada's newest university—the University of Ontario Institute of Technology—is being built at the college's Oshawa campus. As a result, you can earn a university degree as well as a college diploma at the same campus. The university will initially offer two degree programs, with more degree programs and top-notch research to be added.

Scheduled for completion by the end of 2002, a major enlargement and renovation of the Oshawa campus, along with the recent expansion of our Whitley campus, is creating 2,000 additional student spaces. The new addition to our Oshawa campus residence provides single and shared living accommodations for 650 students. Another entirely new residence, including an additional cafeteria, will be ready in 2003.

We're also continuing to invest significantly in state-of-the-art technology. One of the major trends on campus is the new learning commons that features 175 computer stations and extra space for students to use their laptops.

Fast Facts About Us

Web site: www.durhamcc.ca

Contact numbers: Admissions: 905-731-3844 or 905-731-7088
Reception: 905-731-2000

Campus: Oshawa: Will be (Skills Training Centre) (Student North campus) home continues learning centers are offered at St. Mary Catholic Secondary School in Pickering

Enrollment: Full-time: 6,000 Part-time: 20,000

Faculty: Full-time: 200 Part-time: 30

Tuition: \$2,262 (\$200-425) including auxiliary fees

Financial aid: \$1.5 million

Most popular programs: Computer Systems Technology, Electronic Business, Graphic Design, Mechanical Engineering Technology, Mechanical Technology—Process Machinery, Multimedia Design, Spelling Automation, Web Development

On-job education: check with individual programs for details on all employers and on-jobs

On-campus housing: 321 double rooms and 189 two-bedroom suites

Computer access: a suite of 400 computers for every six post-secondary students in a new learning commons, opened in fall 2002. Including 175 computer stations and additional space for students to use their laptops

Transfer agreements: a range of agreements with selected universities in Canada, the U.S. and Australia

Fanshawe College

A Commitment to Quality Education

Are you looking for success? You'll find it through Fanshawe College. We offer more than 100 post-secondary courses that combine theory with plenty of hands-on practical experience to put you first in line in today's job market. More than 30 of our programs offer co-operative education opportunities and others provide internships and field placements to complement your college experience and ensure you're ready to work as soon as you graduate.

Our post-secondary career programs have been the path to success for more than 80,000 Fanshawe alumni working worldwide in Health Care, Business, Communications, Information Technology, Tourism, Design, Building Technology, Manufacturing and Transportation.

Located in southwestern Ontario, Fanshawe College has campuses in London, St. Thomas, Woodstock and Sarnia, with smaller centres in Sarnia and Tilbury. With approximately 13,000 full-time students from around the world, we set one of the province's largest and most popular community colleges. No wonder—recent studies show that almost 90 per cent of our students are employed within six months of graduation. We're committed to providing our students with quality education and

enhanced learning opportunities through innovative programming and alternative program delivery such as on-line classes, classroom connectivity, post-secondary degree programs and articulation agreements with a number of universities in Canada, the U.S. and Australia.

But innovation in the classroom isn't the only advance Fanshawe is making. Since 2000, we've been expanding our campus and student services, investing \$45 million in new and upgraded facilities. At our largest campus in London, a communications arts centre and a commercial imaging facility are among the newest additions, along with new student and retail centres and a second residence, planned for completion in September 2003.

The secret to success in any career is learning how to balance work and play. At Fanshawe, you'll have lots of opportunities for fun. From on-campus social activities and clubs to variety and structured sports, to fitness clubs to just hanging out with friends, our recreation and entertainment facilities are more built with you in mind.

Your education is the best investment you'll ever make. Mail us—or for yourself why write the first choice for thousands of students each year.



Fast Facts About Us

Web site: www.fanshawe.ca

Campus: London, St. Thomas, Sarnia, Woodstock, Sarnia, Sarnia and Tilbury

Enrollment: Full-time: 13,000 Part-time: 39,500

Faculty: Full-time: 400 Part-time: 1,400

Tuition: Two semesters: \$2,340-60 including auxiliary fees
Internship cost: \$9,940-80

On-campus housing: The 300-bed Fanshawe College Residence in Oshawa is open. Call 519-463-4440

Computer access: Approximately 500 open-access computers with Internet and e-mail access from Mac or PC

Financial aid: Approximately \$1 million

Important phone numbers: Admissions: 519-463-4277 Financial aid: 519-463-4280 partnership@fanshawe.ca 519-463-4468

Popular programs: Broadcasting (Radio, TV), Child and Youth Welfare, Criminal Justice, Corporate Communications and Public Relations, Dental Hygiene, Design (Fashion, Graphic, Industrial), Developmental Services, Health Care, Health Sciences, Health and Safety Management, Health Management, Mechanical Engineering—Civil and Mechanical, Industrial Arts, Photography (Film, Studio, Fashion, Travel and Travel)

On-job education programs: Approximately one-third of our 100-plus programs offer a co-op component

Transfer agreements/Articulation agreements: Fanshawe graduates may apply for credits toward a degree at one of 12 universities in Canada, the U.S. and Ireland, a College of Arts and Sciences, programs in Nursing and Media Theory and Production with the University of Toronto in Ontario



Mohawk College

Learning Above All

Training in Ontario's fastest growing field, Mohawk College has become a leader among Canada's colleges.

With a student population of 9,500 full-time and more than 40,000 part-time, Mohawk College serves Hamilton, Burlington and southwestern Ontario. It offers a variety of full-time and continuing education programming in applied arts, business, health services and human services and technology at campuses in Hamilton, Stoney Creek and Brantford.

With 26 co-op programs, Mohawk places more than 1,400 students annually with more than 300 companies. We are the largest at-school apprenticeship trainer in the province, with more than 3,000 people registered in skilled trades programs. Mohawk College graduates benefit from our reputation for providing job-ready employees.

Many initiatives reflect the region's heritage as a manufacturing centre but Mohawk has made its mark in other areas as well, especially health services and information technology.

In 2000 Mohawk College began its academic programming in the new Mohawk-McMaster Institute for Applied Health Sciences. Located at McMaster University, the \$26-million facility houses all of the colleges' programs in Health Sciences, including our collaborative four-year Bachelor of Science in Nursing.

Mohawk offers a wide variety of business-oriented programs. Law and

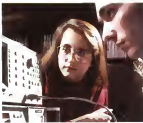
Security Graphics, Packaging, Marketing, Insurance and Tourism and Travel, at campuses in Brantford and Hamilton.

And through a new and exciting partnership with Wilfrid Laurier University's Brantford campus, Mohawk and Laurier students will have an opportunity to complete diploma programs with degree programs. Through this partnership, students can earn credit towards a four-year degree at a Mohawk certificate or diploma and a Laurier Bachelor of Arts degree.

Looking to the future, Mohawk's \$16-million Centre for Excellence in Information Technology slated for completion in 2003 will be the new home for programs ranging from Computer Sciences and Technical Engineering to e-Commerce and Electrotechnology. This showcase facility for students and industrial partners will also house a lab for Mohawk's new applied degree in Process Automation – the only one of its kind in Canada.

With Mohawk College strives to meet the needs of business and industry, we're also responsive to students. A 240-space residence at the Brantford Campus in Hamilton, opened in the Fall of 2000, provides students with a rich social and academic environment.

Mohawk College has a forward strategy and a commitment to excellence. Mohawk College. Learning Above All.



Fast Facts About Us

Web site: www.mohawk.ca

Campuses: Hamilton, Stoney Creek and Brantford

Enrollment: 9,500 full-time post-secondary students (plus reg. 200 international students), 40,000 continuing education students

Facility: Full-time: 429 Part-time: 300

Tuition: \$2,100 including ancillary fees, \$10,545 fee for international students

On-campus housing: 342-bed (171) student-resident residences

Computer access: Open-access labs and work stations. Students have individual access to the Internet from any computer attached to the college network

Financial aid: \$1.5 million

Important phone numbers: Central Information Desk: 905-575-1212
Admissions Phone Number: 905-575-2030 On-Campus Housing: 905-575-2082

Most popular programs: General Arts in Science, Medical Imaging, Medical Social Services, Therapist Child & Youth Worker, Electrical Engineering, Law in Science, Police Foundation, Occupational Therapist Assistant, Prosthetic/Amputee Assistant

Number of full-time programs: 81

Number of part-time courses: 1,100

Co-op education: 26 programs with a co-op component

Credit transfers: Articulation agreements exist with numerous institutions throughout Canada, the United States and around the world

Niagara College

Putting Students First

Congratulations! You're thinking about your future and a college education is an excellent choice. What's a lot better if you treat it as a college was in reviewing the diploma you earn at the end of it all?

At Niagara College you'll enjoy the contemporary atmosphere of a modern-state college in the beautiful setting of the Niagara Peninsula. Music, theatre, restaurants, sciences, hiking trails and Niagara Falls are just minutes from your classroom, no matter which program and campus you choose. Small classes and caring staff and faculty combine to provide you with the help you need to succeed. And best of all is a lot more than books and learning. Niagara's Student Administrative Councils make sure your academic year is filled with opportunities to socialize at the student centres and puts on campus and enjoy a wide variety of activities throughout the year.

Both the Welland and Glendale campuses boast new student residences where you'll live in comfort in a two-bedroom suite, complete with cable TV and Internet hook-up, while staying lockers and bathroom facilities with another student. Residents living puts you just steps away from various college services, such as the Learning Resource Centre, the Student Support Centre, campus store, athletic facilities and the student pub and eatery. The college also maintains housing listings being available off-campus accommodations provided by area residents.

We offer 80 post-secondary and 11 post-graduate programs in the schools of:

- Business and Entrepreneurship
- Communication and Information Technology
- Environment, Horticulture and Agriculture
- Foundation Studies
- Health and Community Studies
- Hospitality and Tourism
- Integrated Manufacturing and Skills Training
- International Studies and Access
- International Education

There are also numerous apprenticeship and skills training opportunities available.

With more than 70 programs to choose from, you'll find the education you're looking for at Niagara College. Niagara prides itself on developing programs that lead to rewarding careers. Advisory committees from the world of business and industry are consulted regularly to ensure our curriculum is up-to-date and is preparing you to hit the ground running when you graduate and enter your chosen field. We're very proud of all the programs we offer at Niagara.

Check out our Web site, give us a call or come for a tour. We are Niagara College. Come Join us!



Fast Facts About Us

Web site: www.niagara.ca

Campuses: Welland and Glendale (Niagara-on-the-Lake)

Enrollment: Full-time: 5,300 Part-time: 17,800

Facility: Full-time: 204 Part-time: 466

Tuition: \$1,185 including ancillary fees. Post-graduate programs: \$2,149

On-campus housing: Visit the residence Web site or e-mail

residence@niagara.on.ca

• Welland: 224 beds, 905-712-6928 or 905-715-2211 ext. 1400

• Glendale: 302 beds, 905-712-6928 or 905-715-2211 ext. 2000

Computer access: More than 225 open-access computers with Internet hook-up either at PC or Mac software

Financial aid: More than \$4 million

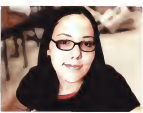
Important phone numbers: InfoCentre: 905-715-2211 ext. 7550

E-mail: info.center@niagara.on.ca

Most popular programs: Chef Training, Hospitality and Tourism, Photographic Technology, Healthcare Technician, Veterinary and Veterinary Assistant, Professional Golf Management, Business Development, Bachelor of Science in Film, Police Foundations, Dental Hygiene

Co-op education: Currently offering 22 co-op programs in a variety of areas

Degree completion agreements: Niagara College has developed many degree completion agreements with universities and colleges in Canada and around the world. By 2003, we will have degree completion opportunities for all of our diploma programs. Check the college Web site for details.



St. Lawrence College

First in Graduate Employment

St. Lawrence College offers a diverse range of innovative academic programs at three campuses along the St. Lawrence River: Kingston, Brockville and Cornwall are beautiful safe and historic cities, each with its own unique charm. Our campuses are conveniently located along the 401 between Toronto and Montreal and less than one hour south of Ottawa. Our campuses offer an extremely reasonable cost of living, very close to large urban centres.

If you like action, join over 3,700 other students at our Kingston campus. Kingston, with a population of 122,000, has been named one of the best student cities in Canada. It has a student population of almost 20,000 from St. Lawrence College, Queen's University and the Royal Military College. From sailing to nightlife, from easy street trips to theaters, there is something for every taste.

The Brockville campus provides a close atmosphere and personal learning experience in a smaller community of 28,000. The campus has a broad program mix and provides access to the range of student life activities, many located on adjacent recreational facilities, including tennis courts, basketball diamonds, soccer fields and ice rinks.

The Cornwall campus is situated in a beautiful park setting on the banks of the St. Lawrence River. The campus delivers a wide range of programs, yet is small enough to foster a warm and friendly environment for its students. Cornwall is conveniently located less than one hour from Ottawa and Montreal and has a unique multicultural feel. A partnership with the St. Lawrence River Institute has focused the campus on environmental issues and recently a wind turbine was erected on campus.

is a joint project with Ontario Power Generation.

St. Lawrence College is currently in the midst of a \$30-million expansion and facilities renewal project at the Kingston campus. Highlights of the Expanding Opportunities project include new classrooms for 1,000 students, new laboratories for Windows Technology, the Hotel and Restaurant Management program and a new fitness facility. Other projects are focused on improved student services and include a new student center and an expansion and redesign of the cafeteria and library facilities.

Since the Key Performance Indicator (KPI) project was launched in 1990, St. Lawrence College has consistently exceeded the provincial college measure in graduate employment, graduate satisfaction and employer satisfaction. In the most recent provincial results, St. Lawrence ranked first in graduate employment with a rate of 83.8 per cent. St. Lawrence also ranked in the top four in graduate satisfaction and employer satisfaction. Most notably, has potential award student projects from the Computer and Engineering Technology programs and has received St. Lawrence as our "hidden diamond" for ensuring leaving talent.

These results and a close message to students considering attending St. Lawrence College. "St. Lawrence graduates not only get jobs, they're very satisfied with the quality of their education. The employers of our graduates are also our customers and these results confirm that employers are very satisfied with the knowledge and skills at St. Lawrence graduates," says President and CEO Walter Thomson.

Fast Facts About Us

Web site: www.slc.ca

Campuses: Kingston, Brockville and Cornwall

Enrollment: Full-time over 3,600 Part-time, almost 20,000

Faculty: Full-time over 200 Part-time, 500

Residence: For 2002/2003 start of \$2,187 including utilities \$40

On-campus housing: At its newly renovated student residence (2002), St. Lawrence campus will accommodate up to 1,000 students.

Computer access: Over 1,100 student-accessible desktops

Financial aid: Over \$2 million annually

On-site members: Lodging and Restaurants: 1,800 (200-9400) or 1-800-368-0000

Rapport programs: Advancing Graphic Design, Business and Science, to name a few. Technology, Veterinary Technology and Advanced Medical Laboratory Science and Technical Sales. International: 18 World Trade Centers in 16 Social Sciences Worker.

Group programs: Second-year programs include Health and Wellness Management and Computer Systems in Technology. Miscellaneous: 1700s to 1900s, 2000s and 21st Century.

Collaborative programs: St. Lawrence and Queen's University offer a co-operative program in Bachelor of Science in Engineering (BSc) and Engineering Technology graduates as well as a co-operative program in Business Administration. Co-operative programs are available in the following: St. Lawrence University and University of Waterloo, St. Lawrence University and University of Ottawa, St. Lawrence University and University of Toronto.

Sault College

Experience the Learning Adventure

Through innovative teaching, Sault College offers big opportunities for students to "Experience the Learning Adventure."

More than 10 post-secondary programs lead to diplomas and certificates in diverse disciplines. The College's Aviation pilot training and Forestry programs are among the specialized offerings. These unique programs attract students from all across Ontario and beyond.

Bachelor studies are also available. An agreement with Laurentian University, Cambrian College and Northern College allows students to complete all four years of a Bachelor's degree at Sault College.

With almost 2,200 post-secondary students, Sault College provides a welcoming, friendly atmosphere. Sault places special emphasis on student life and staff are fully committed to each learner's academic success.

Quality learning is supported by an excellent campus-to-student ratio. And, with support from provincial Superfund funding, Sault College has made more than \$3.5 million in upgrades to its learning environment.



Sault College graduates can pursue degree studies at Algoma University College, also located in Sault Ste. Marie. A series of credit transfer agreements allow graduates from each school to continue studies in the other.

Sault College's location as a Canada-United States border community creates even more unique educational opportunities. Students can simultaneously enroll in diploma-degree studies through the International University College program. It was established via a partnership between Sault College and Lake Superior State University in nearby Sault Ste. Marie, Michigan. The programs are only a 15-minute drive west into International study options are available in Computer Studies, Criminal Justice and Health Education.

Lake Sault College, Sault Ste. Marie, grades itself on small-city warmth and values. Students enjoy its relaxed focus right on the Saults' doorstep. Beautiful forests and sparkling waterways provide an outdoor paradise only minutes away.



Fast Facts About Us

Web site: www.sault.ca

Address: 400 Harrison Avenue, Sault Ste. Marie, Ontario P6A 3C3

Enquiries: info@saault.ca or 1-800-368-0000

Enrollment: Full-time students approximately 1,200 Part-time approximately 5,000

Faculty: Full-time 145

Tuition: Range from \$1,740 to \$4,142 including ancillary fees

On-campus housing: Ray Lawrence Hall, a new addition with 150 beds in single and double rooms.

Computer access: 400 computer access, 100 program space

Financial aid: \$470-1,100

Important phone numbers: Toll-free 1-800-461-2200. Registrars Office: 205-205. 800-368-0000. 205-205-2050. 205-205-2051. 205-205-2052.

Most popular programs: Aviation Technology (Pilot), Fish & Wildlife Biology, Air Force, Foundations, Police & Outdoor Recreation, Forestry, Forensic Science, Health Science in Nursing.

On-campus education: Computer Studies, Fish & Wildlife Technology, Forestry, Forensic Science, Health Science in Nursing, Air Force, Foundations, Police & Outdoor Recreation, Forestry, Forensic Science, Health Science in Nursing.

Transfer Agreements: Sault College and Lake Superior State University have agreements in place for degree completion. Sault College and Algonquin University have agreements in place for degree completion. Sault College and University of Waterloo, Sault College and Algoma University have agreements in place for degree completion.



Getting ahead by more than a degree

The tradition is degree or diploma... Now applied degrees offer a new way to learn, a new way to deliver what employers want, and a new path to career success. Even better, an applied degree adds extra value to your education – the targeted, practical, technical strengths of a college and the theoretical foundations of a four-year bachelor's degree – under one roof.

Extra benefits • Valuable work experience before graduation • Opportunities to pursue graduate studies • The skills and knowledge employers want – in Canada and around the world • More opportunities for rapid career advancement. These new College programs meet rigorous Ontario Ministry standards and open doors to even better learning and career opportunities.

Find out more: www.applieddegrees.ca

Apply: www.ontariocolleges.ca

U.S. Politics | BY DAVID M. SHIRBMAN

A BIG BOOST FOR THE PRESIDENT

Bush's Republicans take the House of Representatives and the Senate

SELDOM HAS A DIVIDED nation seemed so united. Last week's mid-term elections in the United States were remarkable for many reasons, not least of which was the way in which a country that is split down the middle politically nonetheless assembled a government with a single identity, in this case unambiguously, unambiguously Republican.

Thanks to a late-campaign offensive from President George W. Bush, pervasive public worries about national security issues, and voters' willingness to overlook unemployment and economic anxiety, the Republicans are back in complete control in Washington. Against most expectations and much history (Americans customarily use off-year elections to punish the party in power), the Republicans retained the House of Representatives and regained the Senate. The result: a big boost for Bush, and a warning to back for the men who seek to unseat him in two years. Indeed, two of the principal potential Democratic candidates for president, Senator Trent Lott of South Dakota and Representative Richard Gephardt of Missouri, spent the end of last week rethinking about their destiny in the congressional minority, with Gephardt deciding he would resign as House minority leader and focus on a 2004 presidential bid.

The loss of the Senate, the Democrats' last remaining redoubt in Washington, is important both symbolically and practically. It stands as an emblem of Bush's dominance over American politics only two years after he was forced to scratch for the final remaining victory in a bitterly contested election. It also means Democrats no longer hold committee chairmanships, no longer have the ability to command votes toward express power through high-profile congressional hearings or to lodge their suspicions about the Republicans' ties to big business by issuing subpoenas (the late Senator Robert F. Kennedy's charges of power to still stand, but Bush and his allies are in a stronger position to move issues for the rich, prevail in bloody budget fights and, per-



A crushing setback for Democrats—even as the U.S. electorate remains deeply divided

haps most important, appoint conservative judges to the Supreme Court.

But it may be in international councils where the impact of the Republican ascendancy is greatest. Continued Democratic control of the Senate would have been interpreted by America's friends and foes as a repudiation of the President and his willingness to go it alone in international affairs. But now, Bush is engaged in a contest to win opinion polls—that the elections underscore Americans' support for military action against Saddam Hussein.

The elections provided sobering messages for some of the most prominent Democrats. Former vice president Walter F. Mondale, drafted to run for the Senate when Democratic Senator Paul Wellstone perished in an air crash in late October, was defeated. Kathleen Kennedy Townsend, the eldest daughter of the late Senator Robert F. Kennedy, suffered a stunning upset after being all but crowned as the next governor of Maryland, yet another blow to the Kennedy mystique. But the most telling

result came in Florida. There, the President's brother, Gov. Jeb Bush, withstood a strong challenge from the Democrats, including the mobilization of blacks angry over voting irregularities in the 2000 election. At the podium at the podium of a Miami hotel, he embraced his father, the first President Bush, and thanked the President for "leaving a hand to his little brother."

The Democrats did score one important victory when Canadian-born Jennifer Granholm was elected governor of Michigan. Granholm, a Harvard-trained lawyer, moved from Richmond, B.C., to California with her family when she was three. She campaigned strongly as traditional black woman and won over her formidable Republican challenger. But Granholm's election was a rare bright spot, and even banished the use of the Democratic Leadership Council began the party's post-mortem with a simple argument: "Democrats need a new message that is positive, honest, but unmistakably distinct from the Republican party or the President." The Democrats didn't have that last week, which may be why they don't have the Senate, or much else, now.



DOING IT THE ALBERTA WAY

Kyoto, health care, politics: we really are different, writes **BRIAN BERGMAN**

TED WYFIELD was born and raised in Toronto, but we can forgive him that. Since moving to Alberta in 1970, he has helped establish a private school for boys, founded Canada's only regional weekly newsmagazine and overseen a 12-volume history of Alberta, now nearing completion. At 74, the city-tough, hard-drinking and generally demure Wyfield recently launched an even more ambitious publishing project: a \$5-million, 15-volume popular history of Christianity. With characteristic verve, he hopes to finish the series in seven years—with any luck, before he runs his maker. How Albertan is that?

Wyfield, for whom I once served (twice), cheerfully admits a slight exaggeration, counts to 11 as I try to puzzle through something about my home province: what is it that makes Albertans so unblinking quizzers? In so many ways, Albertans, and the governments they elect, march to the beat of their own drummer. One need look no farther than the latest headlines to see that. For ex-

ample, it's no surprise energy-rich Alberta has led the charge against the Kyoto accord. But it's the manner of opposition that is so quintessentially Albertan. Weeks before the feds finally coughed up their strategy for implementing Kyoto, the provincial government presented to Ottawa its own plan for reducing greenhouse gas emissions—and then invited the rest of country to adopt it as a blueprint.

Whatever one thinks of Alberta's stance, the province has, to a remarkable degree, set the agenda on the Kyoto debate. So much so that pro-Kyoto Quebec recently blasted Ottawa for getting too cozy with the Albertans in discussing possible compromises on the accord—an allegation that's considered a real knee slapper in these parts.

Alberta's quizzical is evident on other hot-button issues. Last January, almost a full year before Roy Romanow's royal commission on health care was due to report, an Alberta blue-ribbon panel, headed by local

prominent physician, Don Munro, delivered its own prescription. Since then, the Alberta government has moved on several recommendations, including asking a panel of experts to decide which medical procedures or drugs should be publicly insured or delayed. Last month, the government also green-lighted the Calgary-based Health Resources Centre as the first privately owned facility in Alberta to perform surgeries requiring overnight stays. Such actions set the stage for yet another fire-fight with Ottawa after Romanow delivers his final report later this month—one that is expected to decry any moves toward privatizing medicine.

This impatience with the status quo, and impulse to lead, is an Alberta trademark. Like WestJet, the dominant airline that is credited with shaking up the Canadian airline industry, it began when some prominent Calgary businessmen got upset with service they were receiving from Montreal airlines—

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Silly, longed, ultimately revised, Ryfield is a classic example of Alberta chaos.

and so started one of their own. This is also the province that brought you the Reform Party/Canadian Alliance. An attempt to channel western alienation into a political force to reshape the nation, Reform was spearheaded by a former premier's son, Preston Manning, and a handful of fellow Albertans—including a helpful propagandist by the name of Ted Ryfield, whose Alberta Reform magazine coined Ryfield's original rallying cry, "The West Wants In."

And just you think of the crime-side story from the right, and of the political spectrum, consider Edmonton's Mac Harris. In the 1980s, Harris was the driving force behind *The Canadian Encyclopedia*, which has more than lived up to Harris's stated intention to contribute "to our understanding of one another and to our pride in our country." An ardent nationalist who deplores the level of foreign ownership of Canadian industry, Harris has since authored a series of polemical books, including this fall's *The Wrecking Country: Is It Time To Save Canada?*

Harris could scarcely have less in common with Ryfield or Manning. Yet they all share one trait: an almost messianic zeal to convert others to their cause. So what gives? Why are Albertans such peppy maelstroms in the nation's affairs? Why can't they keep their opinions to themselves?

One popular theory (though this would hardly explain the likes of Harris) has to do

with the strong American influence in the province. American immigration to Alberta came in two major waves. At the close of the 20th century, hundreds of thousands of American Finns headed north to homestead (by 1911, nearly a quarter of Alberta's population was American-born). They brought with them a strong populist tradition and support for direct democracy, including the use of referendums and the recall of corrupt politicians. Such ideas helped launch a early protest movement, the United Farmers of Alberta, which governed the province from 1921 to 1935. Five decades later, the same principles were eagerly embraced by the founders of the Reform party.

A second wave of Americans arrived after the discovery of the Leduc No. 1 oil well in 1947, an event that ushered in Alberta's current era of prosperity. To be enduring champions of prosperity, Central Canada was usually reluctant to invest in the province's oil industry. Filling that vacuum were several large American oil companies which

set up Canadian subsidiaries and moved thousands of managers and employees northwest. These people stayed, bought houses and became part of the community. They also helped shape the individualism and entrepreneurial drive that is so evident here.

A case can also be made that Alberta's distinct society is fueled by a mass inferiority complex. Canadians sometimes wonder how Albertans can be so rich and so aloof at the same time. Easy. Prosperity has not brought with it commensurate political clout, so every federal election right lawmakers hear. Thus there's no crime problem. Albertans are acutely aware of how they are perceived in the rest of the country, where it is not uncommon for them to be depicted as bickering, retrograde and greedy snobs who won't heed their oil-gateen resource wealth.

Such sentiment has resurfaced during the Kyoto debate. Ontario Liberal MP Jim Bradley, a former provincial environment minister, recently blasted Alberta Premier Ralph Klein as "an environmental Nazi-freak." John Bennett, a director of the Ottawa-based Items Club of Canada, charged as that Ontarians viewed Alberta as "greedy and blind to the real implications of global warming." Given what the province pumps into the federal treasury each year (\$7 billion more than it gets back in transfer payments), it's no surprise. Albertans feel for the Rodney Dagenfelds of Confederation; we get no respect and we certainly find others are laughing at us, not with us.

Or are we just anal? Do we have too much time to kill in a province where it seems to snow at least once every month of the year, and so our workaholic souls have to come up with more frivolous schemes to save the nation? That's not as frivolous as it sounds. There is a Presbyterian earnestness at play here, especially in the corporate capital of Calgary, where people like to boast about their long hours on the job and then, every July, engage a 10-day civic blowout to show they can party just as hard as they work.

However one assesses the Alberta psyche, one thing we are not is indifferent Canadians. Some apartment hotheads nervously standing, Albertans are actually averse for Canada, or at least the thought of what Canada could or should be. If we didn't so hopelessly love this country, we wouldn't spend so much effort trying to mold it in our own image. □



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Two big waves of American immigrants helped shape the individualism and entrepreneurial drive that is so evident here

THE BENEFITS OF MARRIAGE

Tough sell or not, bank mergers make sense, writes KATHERINE MACKLEM

WHEN JACK OZIERWA, a relative newcomer to Bay Street, wrote about bank mergers in a research report last July, he broached a subject still considered far more taboo to discuss. When he suggested mergers in this country made a lot of sense, he was championing a view widely—but quietly—held in business circles. And when he said a marriage between the Bank of Montreal and the Bank of Nova Scotia would be an "ideal fit," he was downright, although unwittingly, prescient. What he didn't foresee was a move by his own head office that would have a direct—and harsh—effect on him. Within days of the news that actual talks to merge those two banks had failed due to Jean Chrétien's displeasure, Ozierwa's senior executives at Scotiabank Smith Barney in New York decided coverage of the Canadian banking sector was "no longer worth doing" and pulled the plug on Ozierwa's research—and his job.

Unlike most in Ottawa, and just about every other Canadian, discussions about BMO and Scotiabank joining forces got on downy-curtain in late summer. The deal, as the analysts had pointed out, would have a lot going for it. Scotiabank has extensive holdings in the Caribbean and Latin America, where the Bank of Montreal is virtually absent. BMO's covered stronghold in Chicago, Hank Rezac's province, would fill a serious gap in Scotiabank's international portfolio, and would give the new entity a chance to tap further into the Hispanic market in the U.S., a focus of Harris Bank since 1999. Antagonizing these institutions, the two smallest of Canada's Big Five, also didn't have the overman assembling block of who would be king. Scotia CEO Peter Godwin set to retire next spring, clearing the path for BMO's Tony Comper to take control. And by creating the country's biggest bank, leapfrogging the Royal Bank of Canada, Comper would have dismantled a widely-held perception that BMO has been timid and without discretion ever since 1998, the last time it attempted, and failed, to enter a financial marriage.

That time around, the bankers were de-



The global insignificance of Canadian banking cost Ozierwa his research job

termined not to make the same mistakes. Their advisers were among the best. Comper hired Peter Denault, formerly of the Prime Minister's Office and more recently Air Canada, and Godwin took advice from Scotia-based member Senator Michael Kirby, who had penned an important report on mergers in 1998. They also established a pipeline to John Mulvey's office, an effort to get a seal through the finance minister of Ozierwa's openness to a deal. That move made sense. In 1998, then-finance minister Paul Martin was ambushed by the announcement one cold January morning that the Royal and BMO were planning mar-

riage—leaving him not-faced as he tried to answer questions on developments he'd learned about from the media. Still, this time, some things again went terribly wrong, and instead of the finance minister patting the kibosh on the deal, it came directly from the Prime Minister's Office. Godwin has been left with succession plans in shreds—and three vice chairs who, passed over for the big job, are probably seething for work elsewhere. Comper is back to square one on the strategy from—will he lead direction. What went wrong? It couldn't be possible the banks made the same mistake twice, could it?

Matthew Barrett, Comper's colorful predecessor and the man at BMO's helm in 1998, blamed the politicians for killing the deal. "Canada is an interesting new entity,

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ing model of democracy," Barrett said, with wagers dropping. The decision, he asserted, "is purely political and not about conservation. They are manipulating some very fine lines that are dragging his name in the rankings." Newsday of Barclays Bank PLC, Britain's third-largest bank, Barrett has lost none of that Irish dimension. "Canadian banks are leashed to an indigenous market with a poison pill in their stock," he said after giving a lecture in London. "The obvious answer is to permit more control flows. I think it's a disgrace."

Often lay blame at the bankers' aversion. Their biggest mistake was to not get the liberal pathfinders' caucus inside, says David MacNaughton, a communications specialist who advised BMO and Royal in 1998. Instead, they focused on Mattley and Christie, with the belief that their blessings would be all that was needed to ditch the deal. Wrong, MacNaughton says. In the eyes of caucus, covering favour with the PM and the finance minister could well backfire, he says, like "telling your daughter you don't like her boyfriend." Over the past four years, Scotiabank had spent a lot of time talking

"Canada is an interesting new emerging model of democracy," Barrett said, with sarcasm dripping

quietly with caucus members, scores say, and had detected more hostility and less loyalty on the merger issue. "Neutrality is not good enough," says MacNaughton. "You have to address the concerns of caucus and the general public if you ever want a deal like this to go through. There's no particular advantage for a member of caucus to stand up and say bank mergers are a good idea."

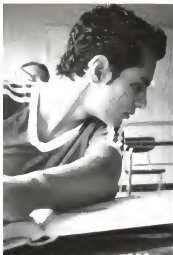
The argument should not be contentious: Canada's banks ought to be among the country's best-regulated corporate citizens. With top of the line benefits and training programs, they are consistently ranked among Canada's best employers—and with 235,000 employees, they are among the largest. As philanthropists, the big banks leave everyone behind—in kids on back-

sponsored pee-wee teams across Canada (many—such charitable donations in 2000 amounting to \$90 million in Canada and \$32 million more in other parts of the world). Regardless, the banks have not succeeded in translating their presence into popular goodwill. The business argument—that consolidation is happening in other sectors in Canada and in financial services around the world, leaving the Canadian institutions behind—tends to leave the popular cold.

But Salomon Smith Barney's decision to drop coverage of the sector underlines the international view that Canadian financial institutions are becoming unattractive. While it would be hugely profitable to a pair of banks and their shareholders to merge, establishing a solid industry in Canada is also good for Canadians. That's the tough sell. Canadians love to hate their banks, so the resentment grows in the prospect of ever larger institutions. On top of that, the five largest banks are all Bay Street-based, and if there's one thing Canadians love to hate more than their banks, it's Toronto.

Even in terms of competition inside Canada, where people are embracing e-banking, mergers make sense. Canadians are the world's biggest per capita users of automatic bank machines and debit cards. The proportion who use the Internet to do almost all their banking has doubled in the last two years, to 16 per cent. One in three does at least some banking on-line and more than half expect to do so in the next two or three years. Only a third say their primary way of doing banking is in person at a branch—which is what MPs and Christie normally say they are defending. With more bank access points—branches, ATMs, debit-card terminals—per capita in Canada than any other country, Canada has a glut of banking facilities—particularly as bank customers increasingly use electronic means to pay bills and transfer funds. A merger between the Bank of Montreal and Scotiabank would have meant some branches would be shut down, and some might be lost. Chances are they'll be closed anyway—and the same people will be out of work.

It's whispered that BMO and Scotiabank are still talking and could eventually make a deal the way to the stars. That is, whether it's this way or another, a merger is painful. Not meeting, though, is going to be worse. ■



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NO LONGER THE HOME OF THE FREE

More and more Web sites are charging for content. But will users pay?

YOU HAD TO KNOW the Net wasn't going to be free forever. Back when companies poured their resources into proving their leadership of the information highway, there weren't many real reasons to slow down: Web users. Popular sites like CNN.com, Salon.com, Sports Illustrated and Toronto-based The Canadian Press offered news, fantasy sports games and streaming video at no cost, all to build search engines and generate as many clicks as they could. Newspapers like the Globe and Mail offered trials of an online financial information, gratis. Drivers could listen to a major league baseball game for free at MLB.com, and e-mail birthday cards from Blue Mountain without linking our postage and check their Hotmail accounts even if they were far from their home computer. Wherever they clicked, a virtual accord: a buffet of resources, information and entertainment—complementary, of course—spread out before them.

But you know what they say about free lunches: When the cash bubble burst, advertising revenue and investment plummeted. Failed dot-coms leaved cyberspace, and companies that had once been accounting for bandwidth now scrambled for bandwidth. CNN and ABCNews.com made accounting streaming video a paid service for pay-per-view. Encyclopædia Britannica started charging for reference material, the Globe set up a premium financial site, and e-games and e-cards now come with an e-price. Giants like Microsoft, Yahoo! and Apple, which had attracted hundreds of millions by offering free e-mail, either scaled back or scuttled their free programs, replacing them with for-fee services. One by one, popular destinations started turning up folks to hand over their credit card numbers. And like it or not, it's a trend long overdue, according to industry observers: "It's really, the everything-is-free, advertising-supported model died with the tech crash," says Oliver Trevis, a French on-line marketing expert who contributes regularly to a Weblog discussion called The End of Free. "It's more of an anomaly for the time being, not to pay. Reality has caught up."



But are consumers willing to face that reality? According to the Online Publishers Association, an industry organization made up of some of the biggest content providers on the Web, Net wars are at least starting to change their breaking ways. Last year, U.S. users dished out more than \$1 billion

for Web content—including porn and gambling. In the first quarter of 2002, the report says, sales rose to more than \$460 million. Consumers are paying for a range of things, but the main money makers, pulling in about 60 per cent of the revenue, are sites offering business information, entertain-

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ment, or matchmaking. News and sports, greeting cards, directories and reference sites account for much of the rest.

But of the estimated 1,700 paid sites out there, the data grab muck of the cyber-pie—about 80 per cent of U.S. paid content comes from a mere 50 sites. The biggest of the bunch is Seattle-based RealNetworks, which made US\$21 million in subscription revenue in its most recent quarter alone. It has more than 550,000 subscribers, mainly for its RealOne SuperPass, a US\$9.99 monthly deal that gives access to sports and news services like CNN's streaming video and MLB.com's live baseball broadcasts. Next on the list is the Wall Street Journal with 600,000 subscribers paying either US\$39 or \$79 a year, depending whether they subscribe to the print version. Match.com, a dating site, rounds out the top three.

While the share of millions in Web-based revenue may be the prime motivation for charging, many Web sites, including Canada's TheFusion.com, say they need pay more just to survive. When TheFusion hit the big time, its monthly revenues—and operating costs—exploded. Thousands logged onto the site, which showed good movie trailers, to view such hits as *Ring*, *Ju Ju* and *Happy Patter*, Hallelujah Drive. The company's monthly communications bill shot up, prompting it to start selling more bandwidth for \$3 a month or \$20 a year. "It was an unimagined disaster," says Albert Neuenberg, the 46-year-old president. "Our success put us at the edge, we had no choice but to charge."

And why shouldn't companies charge for what they produce? asks Rick Broadhead, co-author of the Canadian Internet Handbook. "It's hard to build a business case for a service you're not generating any revenue for," says Broadhead. "As a consumer, if you find value in something, you should be willing to pay for it." That's an argument Toronto's Richard Caddo buys, sort of. The 29-year-old Canada Customs.com employee is a base ball fan and brains to Vin Scully's L.A. Dodgers broadcast over the Internet through MLB.com. Besides being able to listen to any of a night's big-league ball games, Caddo can also access his archive games that have been archived on the site. "I'd rather not have today, but I think it's worth it," says Caddo, whose credit card is debited \$16 each month. "It's a big baseball fan."

But while some surfers are breaking re-



If you find value in something, you should be willing to pay for it, says Broadhead.

luctantly with the long-held belief that the Internet should be free, the vast majority are not yet willing to pay for anything. According to a survey by New York-based Jupiter Research, nearly two-thirds of Web users say they would stop visiting sites if free access was halted. And even if consumers do pay, says Jim Carrill, who co-authored the Internet Handbook with Broadhead, they're going to be selective. "How much of an information budget does a family have?" asks Carrill.

THE PREMIUM WEB

Here are some of what Web surfers would have to pay per year if they still wanted it all. Selling out duplicating services. Canada's websites have been ranked.

SPORT AND ENTERTAINMENT	ANNUAL COST
RealOne SuperPass (streaming video)	\$185
QuestQuest Complete (computer games)	\$39
TSN fantasy basketball	\$39
VideoVision (video)	\$39
New York Times crossword puzzle	\$31
FINANCIAL INFO	
GlobalInvestorGOLD (online package)	\$359
Wall Street Journal	\$123
REFERENCE	
Encyclopedia Britannica	\$94
InfoPro (online data)	\$195
SERVICES	
True Match (on-line dating)	\$19
Normal extra storage	\$30
GRAND TOTAL	\$1,067

sell. "How many \$9.99 a month sites are we willing to pay for? Not many."

And that's the crux of the issue for businesses, especially in on-line publishing, where, unless a Web site or electronic version of a city daily offers something unique, consumers will look elsewhere. "Every newspaper on the planet would like to be like the Wall Street Journal," says Carrill. "But that's not going to happen." If a Canadian national publication started to charge for its Web content, he says, "I'd say goodbye. We got a choice."

On-line publishers know this. Moving premium and free content is one possible solution, says Carrill. Several of the Web's most popular destinations do this, including Yahoo.com and the Internet Movie Database. Many newspapers charge for archived stories or horoscopes and crossword puzzles. In Canada, Bell Globemedia, parent of the Glob, oversees broadcasts including TSN's fantasy sports games and Globe's MasterCard GOLD, a premium business site. "The Internet started off as a free service," says David Koth, a senior vice president at Bell Globemedia's Interactive. "And that expectation has stuck. Moving people away from that is tough."

The toughest may be trying to move people away from really free e-mail, a firmly entrenched Web tradition pioneered by the Hotmail service bought in 1998 by Microsoft. Earlier this year, Microsoft and companion Yahoo! and Apple all modified their free e-mail services. Hotmail and Yahoo! Mail are still free, but come with forwarding or extra storage, cost up to \$29.95 a year. Apple completely scrapped its popular iMail service and replaced it with Mac, charging \$159 a year for a blend of e-mail and storage package. Consumers were outraged. In a typical message-board outburst, someone named Digital Dog wrote of Apple's CEO, "I've always been a loyal Apple user, but I've never been a stick in the Mac where the sun don't shine."

Still, Apple's decision was a simple one, says Peter Lowe, director of marketing consumer applications. "We had to decide that if we were going to continue to invest in that kind of a service, we needed to generate some revenue to offset its costs," Lowe says. "Obviously, we don't think we have to provide free services irrespective of market conditions." Free loaders, listen up: The Internet is taking notice of the bottom line. Will you? □



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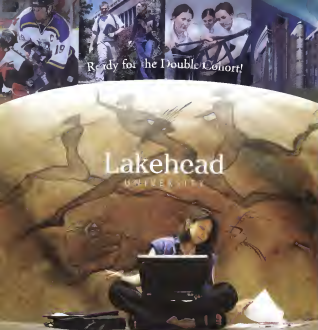
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Column | DONALD COSE



WHY STUDENTS CAN'T IGNORE THE MARKET

It's pointing to where the jobs will be. And then there's investing.

THERE WAS A TIME when many—if not most—university students couldn't have cared less about a bear market. It's different this time. The spectacular collapse of technology and telecom stocks that pulled global equities into their second worst bear market since the Great Crash of 1929 has meant students have a hard time ignoring. Primary discussions with kids at campsuses in Canada and the U.S. I've gleaned reasons why they think this bear market has meaning for them.

First, it's because so many of them bought into the idea that the new technology was the revolution that would change everything. It would offer them their pick of cool jobs with few hours, and a great chance to make lots of money while still young, without having to wait for those baby boomers to retire. That money could come in pay, and it could come in stock options.

Second, many of them knew young people who had those cool jobs who've recently been laid off or fired. Third, many followed the stock market, particularly the high-flying tech stocks. Finally, there was growing fear that this bear market was so severe that it meant a long-term recession. What job opportunities of any kind would graduates have if the economy did an imitation of Japan?

Prior to the fall of the Berlin Wall, academics knew the names of business leaders, it was usually because they were the objects of some campaign or disavowment. That left us fishable on campuses, so business were, at best, boring.

That changed during the 1990s. Tech leaders such as Bill Gates became glamour figures. This is the first bear market since the stock market became a key component of popular culture. That alone would mean that students would realize the stock market's plunge has significance.

What's most alarming is that the women business leaders of the previously most admired companies, such as Nortel Networks and JDS Uniphase. If John Roth and Jeff Struss can't find a way to make money, then what

future is there for the economy?

So how do I reply?

I have been arguing since 1999 that the Nasdaq boom was not some neat evolutionary advance in capitalism, but a means that would end in disaster. That was a hard case to make on campuses in '99 and 2000, but it gets easier with each passing month.

Defeating Bill Gates and his ilk made the whole thing worse. Any time some infamous businessman puts his name on a book predicting the future with a title like *The Road Ahead*, you should (1) assume his best days are behind him, and (2) sell his company's stock short. By the time George Soros had published his explanation of the stock market, his greatest days as a fund manager were over.

It's not that these men aren't smart. It's just that they are succumbing to a temptation that's been around since Plato's time: to be philosopher kings. Disgraces of *Sisyphus* was the line to try to (under Plato's aegis), and he proved to be the first in a 24-century line of disappointments. Business people should stick to their usually useful function of training their companies profitably. When

they get bored with doing that, they are of no productive use to society.

The Nasdaq folly has left these men made gods rich from their stock options, but has had a terrible impact on society at large: shattered retirement savings, blazed dreams, and an unnecessary recession in which people who couldn't tell a DRAM from a serving of Scotch are dumped on the dole.

What does this mean for the futures of today's students?

It means they should no longer believe they have great chances of being so rich by age 25 that they can retire in a beach and sell aquaria. Yes, some people will still manage to do that through investing a genius, but more will achieve it by winning a lottery.

Even Michael Lowe, the amazingly readable defender of Nasdaq culture, doesn't try to argue that you should expect such companies (other than monopolies: Microsoft) to be profitable. In a recent *New York Times* Magazine article, he defends the bones of the collapsed companies of Silicon Valley by noting that silicon goes best, too, and we need airlines. (Yes, but that doesn't



With the tech bust, students can no longer feel they have great chances of being rich by 25.

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So the less likely thing that today's undergrads can expect is just if they hang around for a couple of years of grad school there'll be another tech boom and they can pick up as if it were still 1999. No way.

On the other hand, the brutal bear market is, in unwise terms, long in the tooth, and should be over by the time this year's senior class is listening to some non-business person giving the address at the convocation (I suspect it will be a while before business persons are back on the dais.)

Once we get this unpleasantment out of the way, what will the world be like?

It will need university-trained people more than ever, particularly for military and intelligence services. Even Canada will find it can't proceed to be taken seriously as a new great nation when its defence budget is on the scale of the cost of the Ohio State University Marching Band.

The next bull market will mean that the investment business—a traditional favourite for new graduates—will come back strong. Canada is blessed with some strong dealers, investment managers and life insurers, and thousands of experienced brokers and financial planners, and there will be room for additions to their ranks when the stock market recovers.

Given that, we won't see a return to rising inflation and rising interest rates. That means servicing those debts accumulated to get through wintery needs'll be no problem.

There is also a good chance that the Canadian economy will continue to outperform the U.S.—good news for job seekers. The long-term effects of the wise policies of the Mulroney era—free trade and the GST—are paying off now under the wise policies of the Martin era—budget vigilance and tax cuts. If the Liberals don't blow this unique opportunity by trying to shoehorn Canada into an Ottawa-driven pattern of compliance with the Kyoto treaty, the country should continue to prosper.

Canada is now, from a tax standpoint, a far, far better place for investors than the U.S.

You laugh? As long as you're prepared to approach the subject gravely, you'll see that Canada is the better place for investors on a combined living and dead basis. From the standpoint of the living income, consider that combined federal and provincial insurance tax rates in most of Canada are now within

Canada is now, from a tax standpoint, a far, far better place for investors than the United States. Don't laugh.

five percentage points of combined federal and state income tax rates in the U.S. Then subtract the Dividend Tax Credit, which addresses the unfairness of double taxation of dividends. (The effective tax rate on dividends to American stockholders is roughly 76 per cent.) Then add in the cost to a U.S. taxpayer of health insurance—anywhere from US\$4,000 to \$20,000 a year for a family, depending on age and health. Yes, you get faster—and possibly better—health services for those payments, but they aren't covered out of your income tax, as in Canada.

From the standpoint of the dead investor, it's the Maple Leaf forever. Canada has no death taxes, whereas the U.S. has what some tax observers call the highest death taxes in the G7. Rates are in the 50-per-cent range, and exemptions are quite modest. That may be one reason Americans give so generously to charities, but it's certainly tough on the offspring.

What is the possible relevance of this discussion for students? Well, for one thing, if your parents are even modestly well off, you can expect to get an inheritance at some point. More importantly, now that Canada has virtually closed the tax gap with the U.S., you can expect that the Canadian economy should routinely outperform the U.S., based on Canada's strong export situation. By the time you complete your studies, stock markets should be substantially healthier than today, and so should the job market.

If you have stock in an RRSP, you should have it at least 80 per cent in stocks, emphasizing Canadian dividend income funds. For your foreign portfolio, go with emerging markets funds. During your working life, today's emerging economies will collectively become the global main event.

Hit the books and don't spend much time worrying about the future. It's going to be OK.

Donald Cook is chairman of Perim Investment Management, an Chicago and Toronto-based private financial services firm. His column appears every month. dcook@perimcna.ca



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THE KING OF TIDES

It's got great rocks and rolls. But beware the Bore.

IT MAY SOUND CRAZY, but I think that they of Fundy are trying to kill me. This has been going on for some time now, and I'm fairly sure I can trace it back to my no-nonsense party (attended in St. Andrews, N.B., many years ago). In the Maritimes, any party worthy of the name eventually ends up in the kitchen. Don't ask me why.

As I stood, crowded in beside the fridge, I mentioned, just in passing, that the tides along the Bay of Fundy might not be the highest in the world after all. I had heard no means of higher tides in northern Quebec.

Well, you would have thought I had peed on their rug. Not only was I booed down and threatened with physical violence and, even worse, banishment from the kitchen, but I soon began to fear for my life as well. I had angered the gods of Fundy.

Our first son was born in Saint John in mid-November, 1997, and on the drive back to N.S. Andrews a thick wet Fundy fog rolled in. Visibility dropped to zero, and then the fog turned to snow. Not fluffy snowflake flakes wafting gently to earth, but thick, sticky white slush. Then the temperature dropped. And the slush froze.

And then, just to make things interesting, an 18 wheeler from hell came roaring up behind us and started belching out soot except stop, newbies on wheels wrapped in blankets, through the worst sort of weather Fundy is capable of. I held my breath and gripped the wheel and waited for the outside-mirror-or-pipe, which never came—thankfully—though not for lack of trying on the part of the unruly imposters, an phantom-faced trucker who was positively peeling on forward like a snowplow.

The following spring, with the tires now sunny and blue, a local handyman coaxed me to go “drinking” in his “boat.” Now the use of quotation marks it turns out that “drinking” in the regional dialect that was spoken, actually means “drinking,” just as “boat” actually means “wooden contraption built afloat in defiance of all known

laws of buoyancy.” Off we went in his row boat, onto Passamaquoddy Bay, only to get caught in the grip of a slow but powerful current since we headed back. It was Fundy boating. Passamaquoddy again, and we moved and moved and moved without moving an inch. At which point, my travel companion stretched back and said, “We’ll wait it out.” And when would the tide shift? A string. “Ten hours. Maybe 12.” You had I didn’t think to bring some poles, we could have fished while we were waiting.

And so we drifted slowly away from an already desolate shore. I thought to myself, “The Bay of Fundy is a cruel mistress, indeed.”

Fortunately, we weren’t sucked out to sea, but we did waste an entire afternoon surviving on nothing but beer and beer. Which is to say, by New Brunswick standards, the fishing expedition had been a resounding success.

THE BAY OF FUNDY is the watery wedge that separates the provinces of New Brunswick and Nova Scotia, and the bay’s inebriable brown strength is everywhere in evidence. You need only make a trek to the high spanning observation deck at the mouth of the Saint John River to see this strength played out in slow motion. Twice a day as a struggle between the river flowing current and the tide’s incoming force, the Saint John changes direction. The river’s maddening rapids—yet aren’t “falls” except in the minds of provincial tourist boards—are slowly submerged and eventually reversed.

The Saint John is a river that can’t make

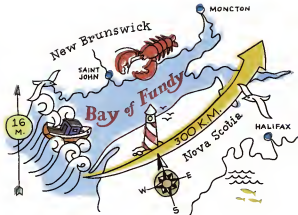
The Saint John is a river that can't make up its mind, a self-sustained contradiction that could be Canada's Official Metaphor

up its mind, a self-sustained contradiction that would, if I were on the selecting committee (and really, who better?), be chosen as Canada’s Official Metaphor.

Twice a day, a hundred billion tons of sea water cross the Bay of Fundy, lifting up ships where they lie, stranded on the sand, and putting the spin back on Old Isaac, one of the largest wharves in the world. The magnitude of water that wages into Fundy every 12 and a half hours very nearly equals the daily total flow of all the rivers in the world combined. At its peak tide, Fundy can rise as high as a four-story building.

So why are the tides of Fundy so freakishly big? Three reasons. First, shape. The Bay of Fundy acts like a funnel that forces the water up on one side as it pushes in. Second, length. Fundy is exceptionally long—almost 300 km in total—and because of this, the tide is never able to catch its breath. As the tide rises to roll out of the bay, it runs into the next, incoming high tide that carries the tide back with it, creating a double wave phenomenon called “resonance.” (The bad news? Resonance is never good patients. Over time, as the sea levels shift and the shape of the bay gradually changes, the incoming and outgoing wells will fall out of phase, and the giant dance of Fundy will quietly vanish.) Third, there is the matter of depth. The bay grows shallower by the century along the way, leaving no secret pocket or sudden drop in to be filled with the influx of water, and so—once again—the sea has nowhere to go but up.

Monty Legault sums the high tides of Fundy to the mythical poet Giosuè Carducci, who wrote about a boat, and a while that sees the water rolling back and forth with its tail. It is a remarkably accurate description of how the tides work. The Atlantic Ocean is essentially one extended wave that rocks backward and forth with the pull of the moon and the sun. In Fundy, this wave rocks just that much higher and that much harder. The



result is something in which the people in New Brunswick and Nova Scotia take a certain misplaced pride.

Joseph Howe, the 19th-century Confederation crusader and Nova Scotia prime, caught the feeling of Fundy perfectly. “Boys,” he said, “Bag of your country. When I’m abroad, I brag of everything that Nova Scotia is, but, as our province, and when they beat me at anything else, I run around on them and say, ‘How high does your tide rise?’”

With so much pride-by-proxy at stake, it’s no wonder that the bums of Isaac bristle at any suggestion that their tide might not be quite as brag-worthy as they think. The Inuit village of Aupaluk in northern Quebec recently challenged Fundy’s claim, arguing that nearby Ungava Bay has high-

er tides. (According to official government records, Fundy’s high tide was 16 m; Ungava’s 15.9 m, which seems dubious, if not downright suspicious. How can you call a resource more honest?)

The middle difference between Ungava and Fundy is that Fundy has millions of dollars in tourism revenue riding on its tide to “world’s highest tides,” whereas Ungava has mainly seals and a few whalers riding on its tides. And you should never underestimate the power of tourism revenue when it comes to judging certain anguished facts.

Exhibit A: The muddy Petitoque River that slides sluggishly into Moncton, N.B. The Petitoque is home to the much hyped “Tidal Bore.” Twice a day, the incoming tide from Fundy forces the river Petitoque to

a standstill, and then sends a mighty wall of water rushing forward in a surge wave. Well, not exactly a “wall” perhaps. It’s more of a ripple, really. A majestic, rocky ripple.

The look of stunned disapproval on the faces of tourists who have gathered to witness this is something you don’t soon forget. (One family, who had studied tidal charts and planned highway detours with military precision, as they would arrive at exactly the climactic moment, a carefully dubbed phenomenon “the Tidal Bore.”)

In fairness, a lot depends on the phase of the moon. Why, I once saw a boat that was almost a foot high! The seawalls that were forcing them didn’t even bother lowering, they just bobbed with it as it passed under them, but it was still a breathtaking

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score, I assure you.

The best thing about the Tidal Bore? The city of Montreal is stretched to it, and more so: a lively town that welcomes visitors with growl gusto (possibly to make up for the wave of disappointment).

Farther up the bay from Montreal, at the very eastern tip, the tide of Randy ends, not at a sea but a whaler. Here are the grassy meadows and tall meadows of Tertre, the acclaimed container before by Acadia, the island who accomplished a singularly impressive feat: they turned back the tide. As early as the 1670s, the Acadia were building my elaborate dikes that drained off the water, transforming the head of the bay into "the world's largest hayfield." Today, it is a land of open meadows and old barns.

Just south of the mighty bore of Montreal lies a landscape of towering stone pillars, the Hopedale Rocks, tree-capped islands, encircled by countless currents, that stand exposed at low tide.

The Hopedale Rocks exist only in the moment in between, that Stephen-like pause before the tide rolls back and the landscape is again submerged. The tides of Randy pull innumerable pranks—slipping down waterfalls, changing the course of rivers, coping with rowboats and pulling the water out from under the larger ships like a tablecloth pulled from a table—but nowhere are the effects as magnificent or as impressive as they are at Hopedale Cape.

My wife and I visited Hopedale at low tide and we scrambled among the towering flowstones rocks like Lilliputians in a giant's garden. At one point, I gazed for a photo-graph at the base of a notably tall formation. "Here, I'll just lean against this large boulder that appears to have fallen from the sky." There was a long pause. I looked up, directly above my head, two acres high, and saw where the slab of stone had once been. "Or maybe not," I said, and, what with discretion being the better part of valour and time and tide waiting for no man, I find. My wife remembers the moment fondly, as particular the way I held my hands over my head as I ran. Now that I map a leader!

Sigh. Some things should be admired from a distance. Especially when they are trying to kill you.

Will Ferguson's latest novel, *Angrytown*, is with the Stephen Leacock Memorial Medal for Humour. He now lives in Calgary, far away from the Bay of Fundy.



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John Peterson
A Director
The American School

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ASAHI

Column | SAGEADA AMED



Some leaders ooze charisma while others like Stockwell Day, definitely don't

COMMENTATORS TALK about George "Dubya" Bush's great mid-term victory last week as a reflection of America's concern about the War on Terrorism, but many women who voted for him have other ideas as well. They see him as a good-looking, reformed bad-boy—sort of a cleaned up Bill Clinton. Sex appeal has always played a part in politics and the right has not been unaware of this. Margaret Thatcher flouted Ronald Reagan was a movie star

An account of key moments in the rise and fall of Canada's conservative movement will be a superb commemorative volume. When

can't forget the lean Snowflakes! Day, in his own suit, striding off his Wave Runner and coming towards the camera, an Alliance version of Ursula Andress plus sci-fi costume. Someone told Mr. Day that, while most people in the party, he was young and had out other boys. That led him to believe that he had "charisma" and could be the right-wing Trudeau, but the people about Pierre Trudeau was that while he was not especially good looking, he did have charisma. The point about Mr. Day was that he did not.

If Brian Mulroney had deliberately aspired to see the Tories wiped off the political map after his departure, he could not have done better than by assisting the poetess, Miss Ruth Campbell. I cannot now remember what the stand for, but she stood there in a revealing photo, proceeding to be naked. She turned out to be nothing but a substandard Red Tory who, just as they are, naively thought the head cameras, mistake their thoughts for actual news coverage.

The decline of conservatism as a political force hobbled both Canada and Britain with virtual one-party systems of government. One-party monopolies lead inevitably to abuses of power. Tony Blair cronies are everywhere. Our new even occupies the supposedly impartial chairmanship of the Arctic Commission, in yet another naked act of patronage. I need not list the many acts of philandering by Prime Minister Jean Chrétien to his friends—or theirs, to him.

What happened to turn conservatism into such a basket case? The big problem came with the collapse of the Soviet Union and the discrediting of the command economy. The left then made a sound switch from embracing a state economy to embracing capitalism. Even China has ditched socialism and economics. The Tories had the most substantial plank of their platform—the free market economy—yanked from under them. In the United Kingdom, Tony Blair took over the Labour party and renamed socialism even as he baptised the party as “New” Labour.

With the disappearance of socialism's economic and military threats, flirtation with the left became risk-free. People who had earlier held left-wing ideas on a number of issues but didn't trust its radicalism or its unbalanced politics, now felt it was safe to give them a shot. They were in it strong: Bill Clinton was elected for eight years and was the first president since FDR to push through a balanced budget, just as it was the NDP's Bob Rae who took on the civil service, reducing its size and forcing it pay, in 1997, two years after its management spend under Liberal and Progressive Conservatives. In this sense, conservatives conceded about trying to adapt to the new reality and ended up shooting themselves in the foot.

Without the big policy issues of economics and defence, conservative thought now focused on the grungiest issues of social conservatism, such as obscenity laws, pornography, homosexual rights and so on. Many of these were simply issues of prudence which, whenever they may become, are not now in favour. True, there were and are serious

Conservatives need to appeal to voters by opposing statism, not by trying to seduce them with wetsuited leaders

ways to debate health care and education could yield political gold. But a party in decline rarely attracts exceptional leaders. Tory leaders everywhere looked for solid ground only to choose the wrong bit of mud.

Last week in England, Lord Donohue (senior), the third person to try to lead the Tory party since Thatcher, decided to stand firm in his opposition to a questionable piece of Labour legislation ending the ban on unmarried couples adopting children. The obvious purpose of the legislation was not to enable heterosexual couples to adopt children but to allow homosexual couples to do so. "Whatever our views on this issue, it was clearly a matter of conscience," said Donohue. Smith decided there was a quarrel for a three-line whip. Faced with dissent and only one fractious party, Henderson told his MPs, "My message is stark and simple: *welcome to the 'One'* could be the guide word hereafter in his speech.

The American right has not been deluged to nearly the same extent. The rugged individualism of the United States is sometimes understood, but it is very much a part of the national fabric. Americans are intrinsically anti-state. Indeed, the founding fathers limited government on the basis. Just to read the preamble of the U.S. Constitution, with its notorious "We the People" and its view of government as a tool of the people, is to encounter a tradition so unique that it alone is almost sufficient to explain the unprecedented success of this empire.

If the right is to continue unassistedly around my area, it will be the intolerance of racism. Racism, with its reason of "government knowledge," is the only political virtue, but more embrace it more happily than Britain's New Labour, Canada's Liberals and America's Democrats. Racism is the winning principle of the European Union, whose boudoir, New Yorker legislation is medieval, governing over the correct course of offensive. Social concerns are a significant obstacle to health care reform in Britain and Canada. As a political view, racism will have to run its course, but more white men among us need to be explained. While they understand these consequences, racism cannot be won—either with words or three-line votes. They will only win rights in power as the right continues to change racism and displace.

Herbert Amsel's column appears monthly
bamisilimark.com

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3COM



'WE LOST CONTROL OF OUR LIVES'

Still feeling the effects of scandal, the gold medalists embark on a pro career

NO MATTER WHAT, life for pairs skaters Jamie Sale and David Pelletier was going to be crazy after the 2002 Olympics. Their story, from their on-ice brilliance to the judging scandal that initially dented their gold medals, reads like a made-for-TV movie script, and for weeks, the media demands were overwhelming. But the on-ice pair was there, instead of watching on television, post-Olympic shows and competi-

tional appearances; the skaters spent their off-season at home in Edmonton. Their agent, Craig French, had talked of mounting a tour with Sale, 25, and Pelletier, 23, as the headlines, but it never got rolling. And they didn't just anywhere shown last spring because, tour operators claimed, their asking price was too high. So they eventually changed agents, agreed to new endorsements and joined the glamorous, 70-city

Stars On Ice show that begins Nov. 30 in Lake Placid, N.Y., and concludes in Vancouver next May.

Things aren't going as well for their sport: The International Skating Union promised to design corruption, but while two French officials have been suspended, no Russian skating officials were investigated for their part in the Olympic scandal. And the officials who came forward with evidence of

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judging irregularities have all been reprimanded. In Toronto recently for a sponsor appearance, Sale and Pelletier spoke with Sports Editor James Dussan.

Has the ISU done enough to reform the sport?
Pelletier: I have different points of view. First, you've got to have hope for the skaters coming up. But then, you can't be naive. When you see that people are punished for speaking out, that's not a good sign. The ISU's not a democracy, it's dictatorship and you have to walk the line. If not, you get thrown out. Now, the ISU is supposed to be there for the skaters, but I don't know what we carry any weight at all. Maybe nothing. And all the people who tried to make it better have been locked out.

Sale: When you're trying to find out why a track's dying, you look at the roots for the problem, not at the leaves. They're not doing that. The people who corrupted the system are still there.

The ISU has proposed a new judging system in which, among other things, judges enter their marks anonymously. Your opinions?

Pelletier: The secrecy of it really bugs me. They say it's anonymous to protect the judges from outside pressure.

Sale: Some parts of the new system look really good, but judges should be like referees in hockey, or in football. They're out there making their calls in front of all those people, and they have to be accountable. But now, in skating, they're making it so the judges aren't accountable, and that's wrong.

Are you concerned that, despite all the promises of reform after the Salt Lake City scandal, very little has changed?

Pelletier: What happened to us, I can take it. But what's happening now is more frustrating.

In what way?

Sale: We didn't want our sport to have this bad reputation, because it's a wonderful sport. So we hoped it was cleaned up. But now we have the possibility that the Russian mafia was involved in what happened to us. In any case, there are always people in charge that we haven't seen before, but you never think it'll go that far.

Pelletier: Let's not kid ourselves. No one's been convicted of anything yet.

Sale: I know. It's like—the head of the French

federation is supposed to be suspended, but he's still going to ISU events, uninvolved. Stuff like that is hard to take.

What do you think about Canada's role at the ISU? Skate Canada voted for a Russian to head the dance technical committee ahead of a Canadian with excellent credentials.

Pelletier: Skate Canada said it was the skaters who asked them to vote for the Russian. You think that's true? [He shakes his head and laughs nervously.]

After Salt Lake, everyone—yourself included—expected you'd immediately go on tour and appear in TV specials and commercials, capitalizing on the windfall of publicity. At first, little of that happened. Why?

Pelletier: To start with, we're not worried about how much money we're making, so nobody else should be, either. And it's no body-builder's business. And let's set the record straight: there was never any tour. We did not want to do our own tour. That was our agent's plan, and that's a problem. He forgot he was supposed to do what we want. We're not scared. We know the skaters we wanted weren't available to do our tour. And you can't have a tour with no skaters.

Sale: It was a real eye opener about the business of skating. We had a bad experience, and we learned a lot from it. At the time, it was absolutely awful, and we were wondering what in heck was going on—we weren't supposed to be sitting at home.

You don't seem that broken up about it now.

Sale: Everything happens for a reason. If we'd been touring last spring, we would not be where we are today, signed with Stars on Ice. For one thing, we got some stuff that we never would have gotten. And everything has worked out exactly the way we wanted it to.

What turned your fortunes around?

Pelletier: When our free disarming program finished at the Olympics, that was the best, best moment. It wound down from there. The media came up, and after that, well, that's when we lost control of our lives. It took a few months to get that control back, and in the end, we did pretty good. Today, we are extremely successful with our tour, our sponsorship and our career. If we had to go through a few months of crap, then it was worth it. Now we can look ahead. ☐

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SOJOURN IN THE GULF

Dubai's skyscrapers were familiar, but I had to get used to a new sense of time

"WE HAVE NOW" landed in the Persian Gulf. Please set your watches back 1,800 years." Flying into Dubai, the commercial capital of the United Arab Emirates and the Gulf region, my somewhat mock intelligent announcement jolted me from my daydreams. Had I agreed to go to Dubai to work in banking for two months, but I didn't really know what to expect.

The Emirates is a patch of sand just slightly larger than New Brunswick, but contains the world's third-largest proven oil reserves and is surrounded by water, or potentially unstable, neighbours in territorial dispute with Iran reminiscent of threats to speak a war, U.S. military bases and weapons stores in Kuwait, Qatar or Bahrain could become targets for external crises or foreign attack, and Iraq dominates the whole region. Oddly, the Emirates has one of the world's few unfenced borders, with its closest ally, Saudi Arabia, but since there's nothing along the border but sand, no one seems to mind.

Reading Emirates newspapers on the flight provided a hint about local politics. The President appeared on most pages—receiving an important local dignitary, accepting congratulations on his "travelled and dramatic achievements." Other news items consisted of witty reports from "occupied Jerusalem" and opinion pieces penned by groups with encephalic names like "American against Israel" and "American Support for Zionism, which is a Zionist ideology." The media control was more amusing than disturbing, since it was so halfhearted; only materials produced in the Emirates seemed affected. Later, I would learn that everyone I knew had CNN in their homes and that foreign magazines and newspapers were freely available.

The Emirates is not a police state. Nor does it promote Islamic fundamentalism, Islam is the state religion, there's tolerance for other faiths, and alcohol—a powerful dividing line elsewhere between Western and Islamic culture—is easily available to both foreigners and Emirates in hotel bars. And the

country has been governed relatively well, constitutionally, albeit becoming more than just another oil state, with successful investment in a regional port, an airline and energy-intensive industries.

I also quickly realized that the comment about going back to time by my seatmate—a British businessman who has been travelling to Dubai for several years—had nothing to do with the local infrastructure. Even before leaving the airport, I could see a forest of shiny skyscrapers covering Dubai's patch of desert, and rows of neon lights leading to giant shopping plazas and luxury hotels that at night would "temperature-control" (i.e. cooled) swimming pools as an antidote to the 90 degree temperatures.

However, the somewhat familiar land scape only provided a jarring backdrop to a social system and way of life that was foreign to every sense of the world. Time and punctuality have little importance, I grew accustomed to getting business and personal meeting times at least a half hour before I planned to arrive. Once, an Emirates friend

I was supposed to meet for coffee one afternoon did not come at all. She explained later: "I was away at Abu Dhabi that day. There was no reason to phone you, because I was not able to come, and even later" in trigged, I experienced with this kind of behaviour myself, but never considered it appropriate for a Westerner.

Politically, despite my Canadian fair-minded attempts to see both sides of an issue, I could not escape concluding that most of the region's governments are seriously oppressive. The most familiar American propaganda—in fact, Saudi Arabia, of course, makes an exception. But even there, like Jim Jones, celebrated in the United States as a moderate, almost liberal side, is pretty sweeping authoritarianism. Recently, a talk show guest on a program aired by al-Jazeera (the pan-Arab TV network most famous for broadcasting Osama bin Laden's videos) criticised Jordan's foreign policy. King Abdullah was so outraged that he shut down al-Jazeera's operations in Jordan and drove down the ambassador from Qatar, where the station is based. It's no wonder many Arabs are cynical about their U.S.-backed governments and believe their next down-right bout with this way of life is overdue.

Emiratis, though, are generous in the Arab world for being polite. Sometimes, this comes off as being utterly insensitive. [I was told, for example, that the event of Sept. 11 were "the last thing the Emiratis needed."] But, in general, I found it refreshing how Emiratis wanted to avoid politics and get on with their businesses and their fun, an instinctive measure of which seemed to involve taking four-wheel drives onto the dunes and running up and down sand dunes. Their open financial system is a magnet for middle-class oil of Qatari money passed through the Emirates, and Mohammed Arash bank account was held at the branch on the ground floor of my building—but the government is now reportedly co-operating with U.S. efforts against terrorist financing.

I was sad to leave after my brief sojourn. For me, at least, the Gulf is no longer an abstract potential battlefield or dangerous shipping zone, but a place where my friends go to the beach. Perhaps it is little more than an ill omen—that I had to understand. ■

The writer, author Nicholas Benedit, is an MBA student at the Wharton School at Philadelphia. His e-mail: benedit@wharton.upenn.edu

'I hope young people never see war'

John Sweet was one of thousands of Canadian volunteers who helped equip last year's record of more than 24 million Remembrance Day poppies sold. The 71-year-old member of Toronto's Legion branch 25 was on duty at the busy underground walkway beneath the city's First Canadian Place.

I can't even guess how many poppies I've sold this year but things have been slower. This is the 17th year I've been doing this and it's been the best yet. It's been non-stop since I got here early this morning. I really enjoy joking around and talking with people

when I get a poppy on their coat or sweater. I've met all types of people over the years. I've found that for every one who stops, there are about 40 who walk right by. But it's the one who stops that keeps me coming out every day. While out here to remind people of those who fought in the wars, but mainly to raise money to benefit war veterans or hospital—to help buy wheelchairs or body parts, or whatever else they may need.

I think it's important that children see through the awful aspects of war so that they'll realize why we should never happen again. War is hell. There are very few of those

who lived during war times still alive to tell them about it. I hope young people never see war, but still keep alive the memories of those who fought.

I don't think people will ever stop wearing poppies because it's part of history that is passed on from fathers to sons, mothers to daughters, and in history books. Hopefully history won't die. I don't think it will—it's been 67 years since the Second World War ended and people are still wearing and selling poppies. I had four heart attacks in February, but I'll keep doing this for as long as I can stay standing.





FIGHTING TO BE A WASTELAND

Once more, Kirkland Lake is at odds with its neighbours

BILL ENKOY IS PROUD of his town. Oh, the jolly-looking mayor of Kirkland Lake, Ont., knows the main street needs a face lift, and that something should be done about the shortage of family physicians. But tending the area in his cream-coloured family van, Enkoy has high praise for the efforts of the townspeople to revitalize their Northern Ontario community. He speaks fondly of "partnerships," and is quick to note success stories hidden among the "for sale" signs. "This used to be a Dominion store," he says, pointing to a lot now containing a hardware and hardware store. "Course, they went under. Right away, we had this guy move in and it's doing really well." We're not totally "figger" out of it. "It's only an Enkoy town toward the sparsely populated 'environmental solutions park' than he goes so against it he's forced to pull over to the side of the road."

The issue at stake is, once again, noise. Kirkland Lake, barely recovered from a devastating blizzard on the shorelines to keep Toronto's garbage into the abandoned Adams Mine, is now at odds over another disposal project. Farmers, surrounding communities and some local residents are alarmed by a proposal to build a plant to treat soil contaminated by industries, from across the country

and beyond, through an incineration process. Concern that PCBs and other suspected carcinogens will make their way into the farmlands and water have divided friends, family and the medical community. A town that once flourished on gold mining has its hopes pinned on "environmental solutions" that critics see as environmental nightmares.

Kirkland Lake is a place that refuses to give up. First, the gold mines closed—for a small town built to support these mines, that's usually a final blow. At its height in the mid-1930s the community hosted 24,000 residents, now it has fewer than 8,000. Then there was the Adams Mine disaster. Friends and family clashed over the proposal. In protest over the planned dump, people moved every shop closed on ultimately the deal fell through, at least for the time being. Now the beleaguered town is up against one more, fighting with neighbouring communities about the description depends on whom you ask—a PCB waste incinerator or a chemical oxidizer that remediate contaminated soil. "Times are tough," says Serge Brette, 38, owner of Pet Pharmacy, located in the middle of several empty stores on Government Road, Kirkland Lake's main street. "We need people here. We need jobs."

The proposal is simple enough. Oakville, Ont.-based Bennett Environmental Inc. wants to build a large soil treatment facility in the environmental solutions park on the edge of town. The company would process up to 200,000 tonnes of what it calls "hazardous waste impacted" soil (and adds picked up with the soil such as concrete, wood and steel). That, essentially, means dirt mixed with pesticides, wood preservatives, creosote, PCBs, coal tar, solvents and herbicides. Gathered from places such as Atomic Research radiation, wood preservative plants and steel mills, the soil goes through a primary combustion chamber, or kiln, where temperatures as high as 800° C to destroy organic molecules, eliminating most contaminants. Residual gases go to a second combustion chamber. Whatever is left over at the end—sulphuric acid, hydrochloric acid, carbon dioxide—is treated and must meet emission standards before being released into the environment. This process, for the town, would create 35 to 38 jobs.

Before Bennett can start building, however, the plan must be approved by the provincial environmental ministry. A wrench was thrown into the company's proposal on Nov. 1, when the ministry issued a def-

erence statement after government officials found errors, omissions and inconsistencies in the environmental assessment. Late last week the company voluntarily withdrew its application, saying it plans to fix the gaps and re-submit the 2,500-page assessment sometime next spring. "The game's not over yet—Kirkland Lake is good fit for our company," says Danny Poon, vice-president and chief operations officer at Bennett. "We're not giving up that easily."

But the company might not be a good fit for Kirkland Lake. "The town has exploded," says Charles Argus, editor of High Grade magazine and spokesman for Public Concern for Toxicity, a well-organized anti waste group that cut its teeth on the Adams Mine issue. "Town council has tied themselves to something that really is a form of cancer in the town, literally and conceptually." If anything goes wrong, the group says, PCBs will enter the environment through groundwater, or air when trucks full of nasty soils are travelling up the highway. The citizens' group also abhors Kirkland Lake's plan to become what Enkoy half-jokingly calls the "environmental solutions capital" of Canada. It is concerned that if Bennett gets the ministry's OK, the Adams Mine project will also be reversed—the next sad and grievous soil that come out at the end of the incineration process will contain some contaminants, and will have to be dumped somewhere.

Much of the opposition to the plan is coming from local farmers. John Vorhof, president of the Translucency Federation of

farmers, says that his plans for his community—spraying up downtown and drawing in "environmental solutions" industries.

Agriculture, an organization representing 400 farmers in the region, explains that their two biggest concerns are public perception and bioaccumulation—the process of a pollutant becoming more concentrated as it passes through the food chain, with the concentration not becoming evident until, possibly, 20 years down the road. The closest farm to the Bennett site is 10 km, but even farmers as far as 70 km south of town worry that their \$100-million-a-year beef, dairy and wheat business will dry up if there is even a hint of PCBs around their properties. To this end, 100 farmers have donated the cash equivalent of one cow—about \$800—to raise money for the fight. "We're in an industry, too," says Vorhof, who runs a dairy and cash crop farm. "If even a little bit of PCBs comes out of that plant, that could end up in my milk. And if it can't tell my milk, then my farm is worthless."

Dan Ransing, the area's MLA and Liberal opposition critic for labour and natural resources, has joined forces with the farm-

ers and other concerned residents who are stockpiling mountains of information. "We defuse up here Web sites daily with notices taken from documents acquired through Freedom-of-information requests that reflect badly on other Bennett projects, especially a similar soil treatment facility in St. Anne's, Que." "It's bizarre and crazy," says Argus. "It's a constant war."

Fears of a negative economic impact on the area are justified. In June, dairy giant Parmalat Canada wrote to Bennett saying that because "perception can be so damaging to reality on issues of food safety," it couldn't guarantee to continue buying the region's milk if Bennett's facility moves into town. The Agriculture Federation received letters from three other important buyers—CME, Sobeys, Food and Hulse Flour Milling Inc. A review of Bennett's project commissioned by the federation concluded in July that "poses an unacceptable risk." Bennett, in turn, had a lawsuit against the report's author, environmental specialist Risk Management Consulting of Brampton, Ont., claiming it damaged the company's reputation and stock value.

To date, the permit process has taken over three years for Bennett and cost more than \$3 million. That alone setback, which requires more research cranking and further studies, will add to that. But Poon explains there is no shortage of soil that needs cleaning, and therefore it is worth the effort. "There is enough material in Ontario alone to warrant several of these plants," he says. "But you can't do cleanup unless you have

'We don't look like the healthiest community in the world but I'll tell you what, we're not the poorest either'

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the infrastructure." Penn also points out that while the application is for exporting soil from all three NAFTA countries, only Canada and the U.S. are currently willing to pay to clean up their soil. And the only soil contaminated with PCBs that Bennett plans on importing would be from Canada. This, too, Penn acknowledges, could comfort to the farmers. "These people are just opposed to development, period," says Penn. "They want to keep their corner of the north just the way they like it."

The medical community has waded into the fray. Dr. Rina Fry of Toronto, chair of the Environmental Health Committee of the Ontario College of Family Physicians, wrote to the ministry concerned with the possible medical side effects the plant could cause and asking that officials reject the Bennett plan. On its Web site, the company posted a response to Fry from Dr. Edward M. Gardiner, a family practitioner in the Ottawa area who supports the project, admonishing her for the "knee-jerk letter" on official Ontario College of Family Physicians letterhead.

Enzy trusts the process. "The environmental ministry is not going to let a company come in and poison people's milk," he says. "It doesn't make any sense." He describes the conflict as a rising versus-agriculture issue of land and adds that 80 per cent of his town is behind Bennett, if the plant is safe. An informal poll of downtown businesses and local residents supports this. "We're sending out kids to jobs in Toronto," says movie owner Ramona. "There is worse stuff than that in Toronto. Don't tell me this little plant, so many miles out of town, is going to make a difference. I say go first." Thomas Barr, a mild-mannered fellow skating in his empty barber shop, adds, "It's better than no jobs. If the plant is safe, then I'm for it."

And while 55 to 58 jobs might not seem worth the fight, Enzy is determined to keep his town alive. If the Bennett proposal is killed, the dream of an "environmental revolution" means failure. What happens then? "We go on without lives," says Enzy, starting his van back up again. "We don't look like the healthiest community in the world but I'll tell you what, we're not the poorest either. Don't anybody need to feel sorry for us, there's nobody that needs to say that Richard Lake is so hard up it'll take anything. That's the most useless crap I've ever heard in my life."

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BONES OF CONTENTION

The ossuary of the 'brother of Jesus' holds unanswerable questions

WHEN WHAT COULD be history's most cherished artifact arrived at the Royal Ontario Museum in Toronto early this month, staff were dismayed to discover that it was seriously cracked. The James ossuary, only just revealed to the world as the possible final resting place of the brother of Jesus, had survived intact for almost 2,000 years—but could not endure a poor transport job. Museum officials, noting the ROM wasn't responsible for the packing and shipping, quickly assembled their experts to repair the damage. The owner, an Israeli antiquities dealer named Oded Gutfeld, mainly just the work on hold, awaiting a report from his insurance agent. But both the agent and Gutfeld quickly green-lighted the work, and ROM officials said they would use special pigmented resins to join and fill the cracks. They'll be visible, though, when the ossuary goes on public display this week. In a sense, those flaws will symbolize the difficulties with assessing finds like this.

The James ossuary is one of many burial boxes preserved from the first century A.D. Characters were in common use in Israel from approximately 100 B.C. until the fall of Israel after the Jewish Revolt in 70 A.D. Any casual tourist can see many such specimens at the Hebrew University of Jerusalem's Institute of Archaeology. They are remnants of a tradition called "secondary burial." Long after the soul was deemed to have left the body, a second and final interment was performed on a day of official mourning sometime one year after the death. The bones were carefully removed from the tomb and placed in an ossuary for permanent storage in a family plot or crypt. In most cases, an inscription was placed on the lid or side of the box stating the person's name and family affiliation.

While some contend that the James find is the first true archaeological proof of the Christian tale, there have been other very notable ossuaries discovered that contribute to the tradition. Not the least of which is the ossuary attributed to Jesus himself.

Unlike the James ossuary, the finding of the Jesus ossuary in 1968 got little media attention in North America, but would later garner a lot in Europe. Bearing the name



Gutfeld (left) bought the burial box in the mid-1990s, but its link with Christ are tenuous

"Jesus son of Joseph," it was found in a common family tomb during excavations at East Talpiot, Jerusalem with other ossuaries carrying the names Mary, Joseph, Jude and as other Mary. This combination of names all belonged to the biblical side of Jesus' life for a little while in 1996, after a desecrated BBC Easter special and a London Sunday Times story headlined, "The Yank that Dare not Speak as Nazarene," it seemed that the body of Jesus Christ had been found, and that the Christian belief in his resurrection and ascension to heaven was bogus.

In the months that followed, however, it became accepted that this combination of names didn't indicate anything divine. They were among the most popular names in Jerusalem at the time. "That a grave could be found with five ossuaries that matched the

biblical names was deemed by Christians and academics alike to be not only possible, but quite probable. In short order, the five ossuaries were relegated back to obscurity, collecting dust in an Israeli museum next to dozens of their kind.

And now we have the James ossuary. As with the Jesus case, the inscription instantly propelled it to international fame. The required translation and translation for the single line of text:

Yehoshua bar Yaqob'khan' Yehoshua (Jacob son of Joseph brother of Joshua)
The name Jacob is Hebrew for James. Yehoshua, or Joshua, is Hebrew for Jesus. The implication is that this is the ossuary of James, the brother of Jesus. The Christian character is mentioned in Matthew 13:55, wherein the people listening to Jesus ask, "Is not this the carpenter's son? Is not his mother called Mary? And are not his brothers James and Joseph and Simon and Judas? Is not this the carpenter's son? Is not his mother called Mary? And are not his brothers James and Joseph and Simon and Judas?" This is repeated in Mark 6:3.

Religious studies professor Herbert Bassor, a specialist in Judaism and Christianity at

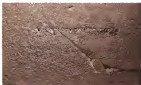
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The cracks under repair at the BSM ran right through the ossuary's inscription

Queen's University in Kingston, Ont., and an expert on the Dead Sea Scrolls, last week did a careful examination of photos of the James ossuary. While evaluating and analyzing the text, he was immediately struck by a disparity.

"It seems clear to me that this is actually two inscriptions run together," he says. He sees clear differences in the style of letters between the initial section, reading right to left, that means "James, son of Joseph" and the later part, meaning "brother of Jesus." As an example, the author of the first part of the inscription clearly distinguished be-

tween the use of the Hebrew letters yod and vav, while no such distinction was made in the latter part. That was not unusual. "The authors of The Dead Sea Scrolls, as well as some medieval scribes, made no distinction between the two letters," he explains. "It was easier on the scribe as he wrote." According to Rasmussen, the second inscription shows a looser, freerhand style, while the first employs a crisper, more formal script.

The easiest means to show that the inscription had two authors, he says, would be simply to draw a line under the text. "This script was originally made for a family who

paid someone to inscribe the name," he notes. "When this is done, the inscriber draws a line beneath the text to keep it straight. If you do this, you will see that the first part of the inscription is in a neat line, while the latter part falls inappropriately above and below this line."

Rasmussen cautions, however, that this conclusion does not prove or disprove the identity or lineage of the person whose bones were placed in the box. "It could very well be that a family member who revered James wanted to add the 'Jesus' line to clarify the inscription years later," he says. "Glendon does not make the second author illegitimate. If this were intended to be a forgery, it would have been done far better. This is so obvious speaks to an intent to inform, not mislead."

Rasmussen figures that the second half of the inscription was likely added some time after the first century. "The spelling of the word [of] is much more common after the first century, while the earlier form was die. The writer was likely from Galilee because of the dropping of the letter *h* in the word for brother, a well-attested Galilean trait."

What Rasmussen finds odd about the inscription is that it does not identify the Jesus mentioned as being Jesus Christ. As with the James ossuary, both names on the inscription were very common in the first century. But since it was unusual to place the name of a brother on an ossuary, that name must have had some importance to the author. Yet the inscription does not identify the brother as being the Christ, the Lord, or any other title that might distinguish him from any average person named Jesus.

In the end, what we might know at best from this ossuary is that there was a man named Jacob who had a father named Joseph and, possibly, a brother named Jesus. Because the James ossuary was not part of any archaeological dig, there is no official record of its origin or owner. We have little idea where it was found, owner Cohen, a 51-year-old engineer, says he bought it in the mid-1970s from an Arab antiquities dealer who maintained it came from caves at Silwan, near Jerusalem. In all likelihood, the role of the James ossuary will go the way of the Jesus ossuary. Like the Shroud of Turin or the Vatican visions, belief in the authenticity of the religious claims will rest on the faith of those who wish so believe. ■

William Rasmussen is author of *The Resurrection Guide to World Religions*.

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DRAWING THE LINE

Ottawa rejects demands 16 be the age of consent

DIANE SOWDEN has given up trying to save her 22-year-old daughter—the little girl she lost to a life of prostitution and drug addiction on the meany underclass of Vancouver eight years ago. The Capistrano, B.C. mother of six has channelled her frustration into a noisy prosuming campaign, trying to save other children from falling into the sex trade by fighting for an increase in the age of consent for sexual activity. To Sowden, the twenty-something mom who offered her then-16-year-old daughter drugs and invited her to live with him was a sexual predator. Sowden and her husband turned to the police, expecting that the man could be charged with child abuse. But under the Criminal Code, a 16-year-old can legally engage in sexual activity with an adult, as long as that person is in a position of trust or authority. “She was pregnant, using crack cocaine and she was being pimped by this fellow,” Sowden says of her third child. “If we had the authority to prosecute and rescue her from that situation, maybe it would have helped.”

Sowden’s is not a lonely pursuit. Thousands of Canadians, including the Council on the Association of Chiefs of Police and family and children’s rights activists, are demanding an increase in the legal age of consent, believing it would deter sexual predators and stem a growing tide of child pornography. The governments of British Columbia, Alberta, Manitoba and Ontario also support change in the law. But last week federal Justice Minister Martin Cauchon, after meeting with the provinces to discuss amendments to the Criminal Code, said that the age of consent wouldn’t change, citing a lack of consensus on the issue.

“They’re being so timid in Ottawa,” says Rose Prober, president of Beyond Borders, a Winnipeg child advocacy organization that launched a massive poster campaign, urging Canadians to ask the justice minister to act on the issue. Prober describes Canada’s age of consent, one of the lowest



Sowden believes she might have saved her daughter if the age limit hadn't been just 16.

in the world, as an international embarrassment. In Australia and the U.S., the age is 16. “People are coming to Canada to have sex with children,” Prober claims.

Det. Warren Waters of the Vancouver Police Department’s criminal intelligence unit estimates the current age of consent is a major stumbling block in the effort to contain the huge increase in sex crimes against children. The average age of victims across the country is 14, notes Waters. “We see a lot of kids drawn into prostitution, a lot of luring on-line at that age.” Adults take advantage of young teens’ confusion and vulnerability, the consensus. “Pimps and pedophiles target that group, particularly girls. They get them to believe that is a boyfriend. It’s the person who understands me, gives me gifts, takes me places.” Once a child has been coerced, there’s little recourse under the current law. “The victim has to testify that she was coerced,” says Waters. “Otherwise, the courts can do nothing about it.”

Waters believes that raising the age of consent to 16 would protect many children

while putting the issue of sex in closer alignment with laws governing smoking and drinking—legislation varies across the country, but provinces restrict these activities before age 18. “In B.C. my daughter could not get married under 19 without our permission,” says Sowden. “She could not marry under 16 without the court’s permission. But she could live common law with anybody at 14—the law does not make sense.”

Not everyone’s convinced raising the age of consent is the way to protect children. “It’s good rhetoric,” says Rochelle Jobstman, a program officer with Save the Children Canada in Toronto. “The public will feel like something is being done. But our experience, working with children in the sex trade, is that they need employment skills, counselling—things that our money. Fourteen-year-olds can’t get protection—not because there’s no legislation, but because child protection is grossly underfunded.”

An increase in the age-of-consent law would also restrict sexual activity among teens. The current legislation has no so-called two-year clause, which allows children under the age of 14 to engage in sexual activity

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with a person within two years of their age. But if the age is raised to 16, "that would criss cross a lot of relationships," says Johnson. "There are 15-year-olds having relations ships with 16-year-olds, that may upset parents, but should the police be involved? We don't want laws that are so out of whack with what is going on in society."

It's a troublesome issue for children's rights activists. "Here's the dilemma," says Benita Aebi, executive director of the Alliance for the Rights of Children in Vancouver, a coalition that counts social-service providers, police and other professionals among its membership. "We, as want to protect children effectively, but also to support their rights." Aebi places her group in the centre of the debate, between the Christian far right that wants parental control over children's sexuality and those who believe in lesbian or youth freedoms. "There's a massive growth industry in the trafficking of children, living over the Internet," she says. "Yes, it will help if we raise the age of consent from 14 to 16." But that protection, says Aebi, shouldn't come at the expense

Pimps target young teens, particularly girls, and get them to believe they are a boyfriend, 'the person who understands me'

of teens' rights to make decisions about their sexuality. Nor should it limit their access to birth control and abortion.

"Do they really believe young people are going to abstain?" asks John Fisher, Ontario-based executive director of Egale Canada, a national gay and lesbian rights organization. "Pretending it doesn't happen does nothing but drive the activity underground." Fisher worries that if the age of consent is raised, school boards—already reluctant to discuss homosexuality—might use it as an excuse to postpone discussion of safer sex. "The worst-case scenario would be to deny young people access to information they need," says Fisher.

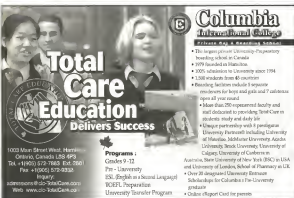
If the law came into effect tomorrow,

Brian, a Halifax teen who asked to use a pseudonym, could be charged under the Criminal Code for having sex with a minor. "Well, I'd be in trouble," he says. "I'm 18 and my boyfriend is 15." Even so, Brian would like to see the age of consent raised to 16. He spent a summer in the sex trade when he was 15 and considers himself lucky to have escaped. "If the law had passed a few years ago, I wouldn't have been so vulnerable." And what about his boyfriend? "I would wait," says Brian. "Child protection is more important."

In 1995, Sweden founded Children of the Street, a non-profit organization whose goal is to decrease the number of children in the sex trade through prevention and education. The 49-year-old transwoman visits high schools and tells students about her daughter. "We think we've stereotyped them," she says. "In kindergarten, we talk about good touch and bad touch, about asking nicely from strangers." Now Sweden's mission is to warn teens about men trafficking predators. She, and many others, want all the help the law can give.



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LIVING THE BEAT

At MuchMusic, writes SHANDA DEZIEL, there's room for journalists—pop culture reporters who can tackle hard news

"I TELL KIDS Hank Williams was punk rock," says George Stroumboullopoulos. "Jesus was punk rock. And all they did was to be rebels. That's why Trudeau was punk rock." When Stroumboullopoulos hosts *Puckdrama* on the Toronto radio station The Edge, he embodies the very soul of punk, taking down the barricades in front of the building and letting the kids on the street into the studio. He even plays tracks off the CDs they make in their basements. Best known as a VJ for Toronto-based MuchMusic, the 24-year-old broadcaster is so attuned to the teenage spirit of rock that even the real rock stars have taken notice. After every show, after Stroumboullopoulos interviewed U2, Bono called MTV and said, "You have to love this guy."

"His group of people were talking to MTV and saying they should be interested in what I do," explains Stroumboullopoulos. "I bumped into Runo at a party in L.A. after their tour and he sort of apologized to me for doing that. He said, 'I don't want you to leave Canada.' I know he likes what I do here. But I was touched, because that's a pretty good reference. By the way, where did you hear about that?" Actually, the info came from Dave Grohl, former drummer for Nirvana, Foo Fighters front man and a Stroumboullopoulos fan. "It's nice when they find someone with integrity and knowledge of music that holds a position like he does," says Grohl, who watches Stroumboullopoulos's metal show, *MuchLoud*, on satellite at home in Virginia. "Usually they just find a pretty face."

The station does have a couple of those, too—yew age they hired their 19-year-old model Amanda Walsh—and more than its share of vapid programming. Lucky it seems to be running a constant loop of Top 40

videos and that awful MTV show, *Scorwing*. But to its credit, Much attempts to balance the pop with a few on-air personalities like Stroumboullopoulos who are credible, at least non-traditional, journalists. They're music reporters who also tackle hard news, like elections or the Quebec City protests. "I think Much understands music in the community now," says Laura Brown, a Much VJ in the '90s and former host of CBC Newsweek's *On The Arts*. "A lot of the videos they show can be upsetting to both parents and kids of a certain age. But I think they've become more socially engaging and do a pretty good job of putting back in."

Besides being good medicine for younger viewers, Stroumboullopoulos is the VJ of choice for an older audience that remembers when the station was launched on Labour Day weekend, 1984. Like the first crop of VJs, Stroumboullopoulos, who studied media broadcasting at Toronto's Ryerson College, combines maturity, intelligence and professionalism without sacrificing personality. And like some of the more respected and successful predecessors, he's honing his craft on *The North Star*, a news/magazine-style program that he gigs on CTV in 1999. Airing on both City and Much since 1984, the two are co-called CHUM Ltd.), it attracts a discerning audience. "It is the Cadillac of all music shows," says Stroumboullopoulos,

"It's not often you find someone with integrity that holds a position like he does"

Foo Fighter Dave Grohl on George Stroumboullopoulos

who's turned down some offering offers in order to continue working on it.

Raised by a single mother in the Toronto suburb of Markham, close to the international airport, Stroumboullopoulos isn't interested in school by the time he'd reached adolescence. "I was a 13-year-old kid into the Dead Kennedys. I believed you were supposed to rebel against everything." With the nose ring, dark circles under his eyes, black hooded sweatshirt and a Hardy CBS T-shirt, Stroumboullopoulos can tell you all sorts of tough, but there's definitely another side. Before jowling, he checks to see if you're OK with it. He gets a boost from natural energy drinks—but just two a day. And while he's known as a rebel, like Joe Strummer and Michael Mooner, he did see *Backstreet* before bowling for Columbia. "I passed talk to a word-minded group of people who don't fit into a corporate structure and aren't the Mach 10s [corporate promoter types]," says Stroumboullopoulos. "We're more like, 'Well, I believe in universal health care, so that's my starting ground. And I think this song is shit and that song is good.' We're generally all slightly pissed off. We're happy, but don't want to be too happy."

While Stroumboullopoulos worked his way up from overnight talk radio to television, several of his colleagues went to Much after years of journalism and broadcasting experience. They see the station as a viable, almost traditional media outlet. Here they'll gain serious experience, all the while covering stories that interest them, speaking in a way easier they're comfortable with, to its audience they identify with. Recently, the entire stud newscast has been hiring pop-culture oriented, youthful broadcasters. Much VJ Jennifer Hollitt, 27, a Concordia University journalism school graduate, used to

work for three CTV shows, *Tail TV*, *NewsNet* and *ComicsAM*. She remembers being encouraged by CTV her to keep her yellow, orange- and red-dyed hair when she joined the network. "It's true that you're seeing more and more pop-culture reporters, the Lisa Longs of the world. That says a showbiz network can say, 'We have that voice or are covering that beat.' At Much, it's not a beat for us, it's our network."

Hannah Sung, a 25-year-old University of Toronto grad who had been listening at Toronto magazines when she answered Much's newspaper ad for a pop-culture reporter. Despite her lack of TV experience she was hired, and ended up interviewing the Bearded Ladies on her first day. Now she's most excited about covering alternative culture like *ArtAttack*, a street-level, political art movement. "There is this controlling officer that TV has," says Sung, "and I want people to not see artists as fringe. I want them to see these people as regular people who are sincerely engaged with what's happening around them and who look like your parents and teachers and you."

But aren't these budding journalists frustrated with the station's daily derring-do programming? How do they feel about *The Newfests* being out back from an hour to a half-hour and the fact that the cutting-edge music they listen to and report on is rarely heavy music? "More people want Benney Speen than Van Arden," says Stouras-boudopolous, "and they prove that everyday when they go to the record store. But what was that great line about the Velvet Underground? Only 1,000 people bought their records but they all forced loads."

In the past, VJs have let the Top 40 be much lower: they spent. Although Brown, a VJ from 1986 to 1990, appreciated the making nature of the place—she was pregnant during her last year on-air, and even had a baby shower live on her metal show, *The Power Hour*—the growing middle-of-the-road content really started getting her down. "Like I'd had to introduce our own Janet Jackson video," says Brown, now developing films and documentaries. "I was going to say something awful." A decade later another host would feel the same. "I was really depressed about music," says Soek-Via Lee, a VJ from 1995 to 2001 who's now the host of CBC Radio's contemporary program *Definitely Not the Opera*. "But that's because I was submerged within the



Former VJs Mallett, Sung and Kowalska take their roles seriously, while Hsu is comic relief

MuchMusic environment. Now I'm so excited about the music and film that I see and hear. And I think it's good that it's not on Much 'cause the underground does need to persevere and grow."

After cutting their teeth on *The NewMusic*, both Brown and Lee—along with Daniel Richter and Jon Lewis—ended within the *Canadiana* and current events scene, enjoying the precedent set by one of the show's first hosts, J. D. Roberts. The one-time long-haired VJ is now the White House correspondent for CBS News and a likely replacement for the nightly news anchor, Dan Rather. Long ago, J. D. became John. "Much was live TV, with an enormous amount of discussion," he recalls. "There was a whirlwind of activity, people yelling at each other, having personal disagreements, hands were being up, fans were banging on the windows because Duran Duran was there. I learned how to focus in the eye of the hurricane, which served me well in coverage of the Branch Davidian compound in Waco or the Oklahoma City bombing." Roberts says he rarely watches the station now, although he does pick it up on satellite. "It occurs every

time I turn it on, it's Bob the sock." He means Ed the Sock, the station's most aggressive journalist, asking the lead of inappropriate and politically incorrect questions only a hand puppet can get away with.

The core 300-odd of Roberts, Eric Elen, Christopher Ward, Michael Williams and Denise Doreau reached iconic status within the country—a group of twenty- and thirtysomethings who were cool, laid-back and informed. "We just felt that we were talking to people who really loved music—that's who we came to the party," says Ward. Which is not to say they didn't cover anything meaningful. While they never as down with a prize minister as Stouras-boudopolous did during the last election, Ward and Roberts note that anyone music and social issues crossed, they were there.

"I was interviewing Bob Geldof on a balcony outside the office of Polygram in London, just days before Live Aid," says Ward. "He was working a whole gamut of telephones, talking to everyone from Amhar crown prince to Huey Lewis—and exhorted everyone to do more than they expected or felt like to do. He did the same with me—he basically said to the camera, 'Well, how are you guys going to raise money?' He called John Martin, the head of music pro-

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grinning. John was at the bar down the street, so Geddes calls him there and says, "John, it's Rob Geddes, what are you doing?" And within days we had an entire set-up for collecting funds, which were then given to the appropriate channels for famine relief. It really gave me a sense of what, as a broadcaster, you can do to make a difference."

Ward left Much in 1989 when the Alanis Myles record that he co-wrote caught fire. He moved to L.A. for 11 years where he wrote songs for the likes of Diana Ross and Amanda Marshall. For the past year, he's been living with his wife and daughter in Paris, just for the hell of it. Williams is developing new talent in Toronto. Dorlan was a senior executive at NashMusic from 1992 till 2000, when she was named president of Sony Music Canada. Elna, often thought of as the mandatory babe, went on to a series of lower profile gigs. Now a mother of a two-year-old, she will be one of the judges on the next season of *Popstar*.

While they may want to emulate their predecessors, the new VJs have trouble seeing themselves as icons. "I can't believe that

Vicci, Dorlan, Williams and Dave became icons as VJs in the 80s when, as Ward says, simply talking to people who really loved music—that's who was coming to the party."



people could look at me the way they looked at Erica Dorn," says Hollett. "For me and my friends, she was wow. And when kids come up to me and say, 'You're my favourite VJ,' I'm like, 'Yeah, yeah, whatever.' For Ni-ragangeni Kivwanuka, 27, the tales of filling other VJs shoes is pretty stressful. Like

Michael Williams, who hosted *Soul on the City*, and Maseur T, who presided over *De Muz*, Kivwanuka is now the station's urban music expert as host of *The Denzile and Wife*. "When T left, all eyes were on me," she says. "I was terrified. But I want to follow in his footsteps. I want to be able to show the com-

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country in a positive light. It's not just about the videos and P. Diddy's new car." Kowalska, who came to Canada as a refugee from Uganda at 13, also knows what a sitcom with diverse ethnic personalities means to its audience. "In public school, a teacher suggested we see Americanized Christian movies, so I used Mary (but now an African girl from Nigeria who also has a long name and doesn't know where she fits in) will see me and say, 'She's claiming her name.'"

For someone like Desmond How, Much is also a place where someone can claim a comic persona—the same way Mike Myers used to stop by the late-night *Citizenship* show on Citytv in the '80s and play Christopher Ward's cousin Wayne Campbell, long before the character showed up on *Saturday Night Live*. How, who won the 2000 *V* search contest, is often found in outrageous costumes and body paint, dragging people off the street for comedy sketches. How, 25, treats the job as the flake that it is—it could lead to bigger TV opportunities or home to Winnipeg, where he can see himself becoming a teacher.

Whether these *V* will be comic, successful performers or just footcans in Much history, they're helping to shape the minds of young Canadians by regularly telling "recess" content into the usual diet of pop culture. And they recognize that even bubble-gum music can lead to interesting places. Reflecting on her own love of '80s-boy band New Kids On The Block, Mollen says, "Be cause [New Kids] Denise Wohlberg loved Public Enemy, I decided then our and that led me to a political awakening." And while 13-year old boys may be sitting around discussing it on T & A, a rap video now, Sung has confidence they'll grow up informed. "Just look," she says, "at how the Beatle Boys turned out." Long ago, the white rap group did grow up as right-to-party rallying cry and devoted itself to freeing Tibet.

Sitting in Washington, John Robertson no longer speaks to youth. "They don't read newspapers or watch TV news," he says. He might be interested in Stroum's response to Sept. 11. "I went on the air at noon and said, 'I don't know what to tell you except things are bad. Change the channel, go to the news. Go watch what's happening and then come back later—and we'll talk about it.'" By saying it's cool to care and be informed, Stroum's response to the crisis punks rock. **W**

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A MAZE OF DENIAL

With *Ararat*, Atom Egoyan bravely attempts to untangle his Armenian roots

I HOPE you're wide awake, because we're going to talk about something very, very important. And complicated. You're going to need all your wits about you just to get through this. Our subject is Atom Egoyan's new movie, *Ararat*. I know some of you feel as if you've already seen it, and you don't need it. You heard so much about it when it premiered at Cannes last May, and when it opened the Toronto International Film Festival in September, and when Ken Fuchs made it a running gag in *Scraper* from the *Newsweek*. But now *Ararat* is finally being released commercially, and the prospect of reviewing it is enough to send a chill through the veins of the most hard-core critic. It's difficult enough just to describe this brilliant failure—never mind explain why it doesn't work, and why you should still see it.

Ararat is about roots. So let's begin with these of its 42-year-old creator—who was born in Egypt to Armenian parents, emigrated at three, and grew up to become the most celebrated Canadian filmmaker of his generation. The opening shot of Egoyan's first feature, 1984's *North of 49*, was filmed from a camera riding on an airport baggage carousel at Toronto's airport. A decade later, in *Exotica*, he showed a Canada Customs official watching the airport's baggage claim area through one-way glass. Now, with *Ararat*, his ninth movie, Egoyan takes us back to that airport—the story centres on a young man trapped in customs purgatory after returning from Armenia with film cans that may or may not contain drugs.

Egoyan is obsessed by baggage in the broader sense. He's the ultimate customs inspector, examining the psychology of denial on the border between secrets and lies, memory and fiction. In all his films, there's a sense that truth comes in the form of a concealed substance, a cache buried deep. But until now, Egoyan has worked on a relatively intimate scale. His previous three films—*Edison*, *The Sweet Hereafter* and *Foxfire's Journey*—are all claustrophobic dra-

mas of violence and loss, each involving a creepy, troubled relationship between a father figure and a teen girl. With *Ararat* Egoyan ventures onto much grander terrain. All his favourite obsessions are still there—be it memory, most, the constructed nature of memory. But in struggling to come to terms with his Armenian heritage, Egoyan has created a work of staggering ambition.

Ararat is the first movie to grapple with the Turkish genocide of more than one million Armenians from 1915 to 1923, a catastrophe that remains largely obscure in the public imagination. While trying to convey the unquenchable horror of the event, Egoyan is also intent on showing how it has been affected through generations, and across cultures, until it's untangleable. *Ararat* speaks to the impossibility of representing the unspeakable. As if that weren't enough of a challenge, Egoyan had the nerve to cast an unknown with virtually no acting experience in the lead role—a 21-year-old Canadian Armenian pre-med student at the University of Toronto named David Alpay.

The result is a movie that's frustrating as it is fascinating. Alpay is wonderful. He

draws us in with emotional honesty, quiet charisma and the instincts of a natural actor. And he holds his own with Christopher Plummer, Bruce Greenwood and all his Koreans—along with Armenian talents including Charles Amzebe and Taz Bogosian. But the drama is punished by the sheer density of Egoyan's Byzantine script. He sets in motion a jigsaw of characters, and his drive to link them in a dizzy chase of causal consequence creates a forced symmetry.

Each character is connected to a film within the film, and it, too, is titled *Ararat*. It's a conceptual epic about the Armenian massacre being shot in Toronto by a famous director (man-of-film Edward Amzebe), whose mother was a genocide survivor. Rudi (Alpay), a production assistant on the set, is the son of an Armenian immigrant (Armen Khachaturian) who's an insouciant expert on Armenian painter Arshile Gorky (Simon Abkarian). Arshile becomes a consultant on the film when his son-in-law (Bogosian) decides to work the young Gorky emulacra, which chronicles the siege of Van, Gorky's boyhood home. The painter, forever haunted by the memory of seeing his mother slave to death, ended up in Armenia, where he hanged himself in 1948, at the peak of his career. One of his famous works, *The Artist and his Mother*, serves as *Ararat*'s Rosetta stone. "That painting is a repository of our history," says Arsh. "It's a secret code. It explains who we are and how we got here."

Egoyan films that legacy through portraits of two severely fractured families. For



Alpay and Khachaturian play a son and mother involved in making a film about Armenian genocide



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Roma, A.D. 1000, Caesars' Palace



Egyan's first filmmaker to dramatize the Turkish atrocities

there's Raffi's clan, which is more tangled than a bag of snakes. He's sleeping with his mistress, Gülü/Mühe-Jüze Çözü, a drug dealer who blames her responses, Ani, for her father's apparent suicide. Raffi has fathered children attempting to assassinate a Turkish diplomat. The other family is headed by the customs inspector (Plamen) grilling Raffi at the airport. He's estranged from his ace (İzzet Karver), who's involved in a gay relationship with Ali (Narcis), an actor cost

ar. Turkish violence is the film's end in the film. Adding yet another layer to this maze of easy confusion, Karver's character is a security guard at a museum that's mounting a show of Gorky's work.

The beauty, and failure, of *Anar* is that it's trying to do and say so much. Egyan needs to tell the story of the Armenian genocide, but can't bring himself to do so in a linear fashion. So that job falls to Edward, the fictional director whose epic melodrama is

the kind of movie *Anar* would never make. Besides, Egyan's film about the lingering fallout of the genocide on contemporary characters. But Egyan wants it both ways. He still relies on Edward's spectacle to show Turkish atrocities of rape and brutality.

Edward's film is based on a real book, *An American Physician in Turkey*, Clarence Usher's eyewitness account of the 1915 massacre. In one of *Anar*'s most mind-blowing scenes, Ani rubs into the dirt, disrupting a panorama of carnage. Murin (Greenwood), the actor playing Usher, looks up from the girl he's pretending to treat, explains how her father's eyes were gouged out and her mother's unborn child was ripped from her belly, then asks Ani, "Who the f--- are you?" It's as if Usher, the actor playing him and the actor playing the actor, are all co-opted with the layers of framing, that threaten to suffocate the real story. *Anar* isn't the answer.

You sense that even Egyan is stymied by his dual agenda. On the one hand, he's the first filmmaker to dramatize the genocide. And, despite the Turkish government's persistent denials, he wants to clearly establish that it took place—that Turkey organized the systematic slaughter of its own Armenian citizens. But that hard fact flows in a sea of equivocation, the uncertain waters of collective memory. "I was born here," says Ali, "that is a new country so let's just drop the f---in' history and get on with it."

Egyan is not about to do that. But he's a noncommittal propagandist. And in trying to compare the past, he saddles his characters with exposition, which muddies the drama. Raffi turns his constant interruptions into an Armenian history lesson. And his own story—about that mysterious baggage—is so convoluted that when the inspector says, "there's no way to confirm that a single word you told me is true," there's an unfortunate resonance. What's really hard to swallow is the reality of the scenario that the current crisis would even exist for Raffi's story. He acts more like a therapist, a surrogate perhaps for Egyan himself.

So we end up believing in the genocide, fascinated by the history, but unconvinced by the movie. Part of what makes Egyan such an original filmmaker is his refusal to let us suspend disbelief—like *Erin*, he encourages certain detachments. And *Anar*, a film about denial (and disbelief), becomes living proof of its own premise. **D**

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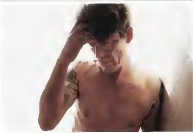
NEEDLES, LOVE AND REVOLUTION

How a documentary about Vancouver's drug plague altered a civic election

IT'S AN EASY 10-minute walk from the Capricorn Theatre on Granville Street in Vancouver to the worst of the city's drug-addled Downtown Eastside. No, scratch that, it's not easy at all. It's an awful walk, past crackheads and junkies screaming, dealing and selling themselves for a dose of the drugs that kill them, or leave them vulnerable to disease and human predation. For someone who makes a living turn, it's like stumbling into a vision of hell. Most Vancouverites—and federal legislators for that matter—have simply avoided the area as they would a plague zone. That changed this fall, in one of the most remarkable municipal election campaigns in history. The Downtown Eastside is the defining issue leading to the Nov. 16 vote. "It's Canada's first drug election," says documentary filmmaker Netta Wild, the woman who helped set the agenda.

Wild's co-producer and director of *The Story of the Addicted City* she traveled to Ottawa last week to screen the film before parliamentarians and lay staff, hoping to "turn up the heat" on the rapid federal announcement to a national drug strategy. The issue is at full boil in Vancouver, due in part to Pitt, and in part to a new wave of drug-addicted women who've been murdered or gone missing from the neighborhood. Wild's unflinching and beautifully rendered portrait of the carnage of injection drug use has been one of the top-grossing movies at the Granville 7 Cinema for almost a month. It seems so unlikely success. Why pay when the real thing is just blocks away? But Pitt is an unlikely story, surprising to no one more than Wild and her co-producer, Beate Carson.

It began, Wild says, as a documentary about a quest by the Vancouver Area Network of Drug Users, VANDU, to open safe injection areas staffed by health professionals. It evolved into a love story. Two love stories, really, and a revolution. For the sake of two mismatched outsiders: Doree Wilson, a married, heroin-addicted ex-IBM salesman and president of VANDU, and Anne Livingston, a non-drug-using, church-going advocate for the organization. She



Wild traces the relationship of addict Wilson and a Christian who eschews drugs

attracts her role with missionary zeal, part of her Christian duty to "be in the most uncomfortable place." The fall in the political set piece was to be Mayor Philip Owen, the ultimate insider—a man of wealth, conservative values and burning good cheer.

Yet, over two years of filming, Wild realized she was capturing a temperamental love affair between Livingston and Wilson, and the conversion of Owen from agent of the status quo to hero of the downfallen. He championed a huge political cost but Pittier Approach as a "holistic and compassionate" response to the city's unrelenting drug problems. The first three pillars—prevention, treatment and enforcement—seem obvious. The controversy comes from pillar four: harm reduction, including the harm-

ful practice of providing heroin and safe injection sites for addicts. Wild has filmed abolition before in Mexico and the Philip prince she came to realize she was a witnessing one in home.

True to form, this revolution favors its children. The film records Wilson's containing battle with heroin, to the strength of Livingston, Anne Owen, 66, he said Mackenzie last week that leading strategy cost him the support of his party, the conservative, pro-business New Democrat Association, and any chance for another term. Yet, in a perverse twist, the outcry over his ouster freed every serious mayoral candidate to pledge loyalty to Owen's strategy. "It's the most interesting" he says with a sardonic laugh.

New unlikely partners Wild and Owen went to Canada-wide solicitor for Pittier received major funding from Rogers Media Inc., which owns Maclean's. A shortened version will be broadcast on CTV next year. Owen, through his political connections, has helped raise \$100,000 toward a national cinematic release. He told a family friend, a 21-year-old woman who died this July after an overdose on the Downtown Eastside. "This is a national tragedy," he says. His message to Ottawans is that can't be ignored, as it was in Vancouver for far too long.


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TV | 122

A candid Chris
William Martin
The talented
27-year-old star of
CITV's *True Story*
might just make
you laugh.



MUSIC | 124

He's a lover and a (fool) fighter
It's been quite a year for Dave Grohl. Want
man for the Foo Fighters. After court battles,
his band member behavior and moonlighting
with another rock group, the Virginian
has emerged unscathed with a brand new CD
and a familiar refrain: All you need is love.

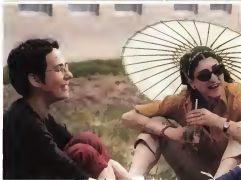
Listings | Art, kids, music

Weekover Eastside
Culture Crawl
Nov. 20-24
There's a chance to
support local artists,
as painters, jewellers,
sculptors, furniture
makers and other
craftspeople open up
their neighbourhood
studio buildings
Vancouver

Les Boîtes de Théâtre
Nov. 18-Dec. 1
This festival cele-
brates the live per-
forming arts for young
people. Teams from
Denmark, France,
Austria, Canada,
the Netherlands,
Belgium, Mexico,
Brazil and Quebec
will participate
Montreal

HarperQuest Suite
Nov. 24-26
With two original
members, Laticia
Bass and Darryl
Graham, reminding
her that her band is
still going strong.
The group who brought
on *Acid Girl* Now they
don't play (Ottawa
Theatre, Halifax
Theatre, Victoria
Theatre, Montreal
Theatre, New Brunswick)

Canada Aboriginal
Festival
Nov. 28-Dec. 1
Taking place in the
St. Lawrence, this festival
is dedicated to
Aboriginal art and
culture. It features
a wide variety of
events, including
music, dance, acrobatics
and more.
Toronto



People | A tale of two cultures—and animators

It makes perfect sense that filmmakers Shih-
Areni and Soroush El-Haj Daud were asked
to tell the story of immigrant get-togethers
in her new home. Areni, 26, is a Jew
who came to Montreal from Israel as an
infant; El-Haj Daud, 26, is a Muslim whose
parents were Palestinian refugees living in
Saudi Arabia until the family immigrated to
Canada in 1989, when he was 12. To-
gether, the directorships were asked to apply
their personal experience as well as their
animating talent to *From Far Away*, a story
about a seven-year-old Lebanese girl per-
sonified by children's author Robert Munsch. The
storybook film is part of the National Film
Board of Canada's Tapes in a collection
of eight animated shorts, each based on a
cross-cultural children's story. Over the next
months, the film will be shown at 2,000

El-Haj Daud (left)
and Areni, who
met at Concordia,
challenging the
stereotypes

THE DETAILS

For more information
on the National Film
Board's Tapes in a
collection, visit
www.nfb.ca/tapes



schools and libraries across the country.
"The film board presented between our
two backgrounds we would bring a uni-
versal to the project," says Areni, who's
currently studying at The School of the Art
Institute of Chicago.
Areni and El-Haj Daud met at Con-
cordia University in the mid '90s and their
passion for animation kept them isolated
from the school's growing Middle East
scene. As friends and their romantic
relationship, they ignored and quickly dispelled
stereotypes of their friendship—after their
parents had of each other's heritage. They
say this bonding on the film proved an in-
teresting parallel to their distinct, animating
talents into one image. "It was difficult at
times," says El-Haj Daud, who is planning a
documentary on being Palestinian-Canadian,
"but we found that our styles com-
plemented each other." MICHAEL SMITH



Television | This Martin's a wild and crazy guy, too

Chris Willmet: Martin roamed the coffee crowd of a downtown Toronto restaurant. It's an unusual time to do that: a CBC television series star is out there that's all part of his charade. Martin, the lead character in the Calgary-based *Tom Stone*, is full of surprises. For example, he can write backwards so that it can only be read in a mirror. He drinks his coffee black because that's the way Richard Greene drank on *Breaker*. He roasts women with chicken caudon bleu. He was crazy about his former girlfriend Polly Shannon (played by Margaret Trudeau in the CBC television miniseries *Thelma*)—she broke his heart and he hasn't dated anyone since. "Where do you meet people?" he says. "A bar? Safeway? At work? I'd just feel like a cheeseball hitting on some cute extra." Hey, I'm Tom Stone. "He certainly won't meet anyone though because the only bar he's at and both live in the U.S." It's hard to find those people that you can look at across a

room and get it all in a row," he says about finding friends and girlfriends. If Martin has no luck with women, he's blessed with work. Born on Thursday, B.C., he's dropped out of high school in Grade 12. He was determined to act and was based on his first series at 16. Since then, he's worked on *Moulinex* (he met Joan Van Sickle, one of his two friends, on set there) and *Pelican*. His critical success was in the 1999 movie *Jelkway* where Martin portrayed a successful leader of a group of teenage kids. He's recently finished working on the first-run film *Try Something*, starring Elijah Wood and Mandy Moore. And now, as the title character on *Tom Stone*, he's really in his element. Like Stone, a successful former cop sprung from jail to help an ambitious RCMP officer (Jason Kiddler), Martin is wild, irreverent and charming. And, despite his rising star, he remains unafraid to bare it all.

AMY CAMPBELL

Books | Peace of the grave

Ed Mobley is a giant and that Canadians are not proud by the millions about Jerry Adams in *A Secret History of the IRA* (Osgood). His superb portrait of the great workings of the Irish Republican Army, a British-born son of Irish immigrants, the journalist has covered Northern Ireland's "troubles"—as the Irish euphemistically called the violent deaths of some 1,200 people—since 1979. "I wasn't aware until I came here how much Adams had managed to recast his image as a concerned but innocent politician," But Adams is the IRA, and at the heart of Mobley's book is a candid portrait of him as a bloody-minded Irishman who—paradoxically—has for 20 years been at the heart of Ireland in shaping the brutality that has led to the peace talks.

One key moment in Adams's career to pause, Mobley writes, involved a Canadian woman, Chitra Datta. The daughter of an Irish-Canadian mother and a Rajputan father, she joined Jim Kerr, the IRA's political wing, in 1974, and met Mobley in its ranks—and she ended her Adams as a policy adviser in 1978. Soon a whispering campaign accused him of being a British spy. In 1983, IRA members burned her top, a car, only to abandon her in the countryside. Adams took the point, and returned to Toronto the next year. "What Adams did there," Mobley remarks, "saved the ablest part of the leadership and paved his way."

From then until the mid-'90s, Adams provided over a century of bombings and assassinations designed to prove to the UN Security Council that the IRA could never be crushed—and to his own people that the Irish could not be driven out. "How that they've fought their lives to a stalemate," says Mobley, "all sides are committed to compromise. The end of the war, which Mobley predicts will soon occur, is for the IRA to openly admit the war is truly over—"perhaps a public destruction of their weapons, maybe even the launch of the IRA." BRIAN BETHUNE



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Music ■ There goes my hero

Does Gribbl don't keep a diary—and for good reason. Recently, the journals of his friend and former Nirvana bandmate Kurt Cobain were sold for publication—by Cobain's widow, Courtney Love—and were excerpted in a *U.S.* magazine. “That was a little strange,” says Gribbl, 33. “I don’t want to read them, because they weren’t meant for me. But I can see how there’s a lot of demand and interest for something like that. When someone is taken away from you prematurely, you’re left with question marks and a becomes some sort of mystery and maybe they’ll find some insight in the flames.”

After Cobain's death in 1994, Gribbl, the

band's drummer, picked up a guitar and formed a new group, the Foo Fighters. He then proceeded to write a string of hit songs, including *Monkey Wrench*, *My Hero* and *Learn to Fly*. It's enough to make one wonder why Nirvana, whose songs were primarily written by Cobain, didn't make use of such talent. Almost a decade later, Gribbl and his band have just released their fourth CD, *One by One*, despite a year of distractions. Gribbl was in court fighting Love for control of unreleased Nirvana material—a case that's now settled. Foo drummer Taylor Hawkins overdosed on alcohol and painkillers while on tour and was in a coma for two days. And Gribbl left in the middle of recording the new album to tour with

Gribbl's old machine whose talent for songwriting wasn't tapped in Nirvana.

How rockers *Queens of the Stone Age* as their drummer. But the new disc doesn't reflect any of that conflict—it's too preoccupied with matters of the heart.

So, if there were no women in Gribbl's life, what exactly would he write about? “Dogs I love these too,” he says. “Seriously, I am just a happy narcissist. If I’m your boyfriend you are going to be showered with endless affection and non-stop sexual escapades. Love’s a drug for me. I haven’t done drugs since I was 20 years old, so that’s what I get off on.” Too bad Gribbl doesn’t keep a diary.

SHANER DEER



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CLOSING NOTES

Books | Balancing public and private in America

Jonathan Franzen is best known as the author of *The Corrections*, the hottest American novel of 2001, and for his on-line e-mail ranting to having his book printed by Spanish publisher Planeta. Franzen is also a first-rate essayist—sassy, observant, thoughtful, moving and disquieting funny. All his attributes are apparent in his 12 pages that make up *How to Be Alone* (Knopf/Collins). They include the gems "My Father's Culture," about the elder Franzen's struggle with Alzheimer's, and "Impassioned Bedrooms," Franzen's searingly iconoclastic take on agency life (his nation's newest columnist). He writes, in "Greenwood dead twice a week," that real privacy is actually soundproof by "holistic means. Planners engage—a typically small-town American at a century ago lived under conditions of near perpetual surveillance. It is the public sphere that under threat from the modern tendency to share everything into the open. Sexual involutions about Gill Clinton and Monica University didn't violate the privacy of academics at Enron. Franzen implies as much as they shattered the dignity of public life.

BESTSELLERS

Fiction

1. **THE CORRECTIONS**, Jonathan Franzen (10)
2. **SMOOTH**, Tom Robbins (9)
3. **THE PRINCE OF EGYPT**, Michael Chabon (8)
4. **THE INVESTIGATOR IN NEW YORK**, Stuart Johnson (7)
5. **FRANCIS & HENRIETTA**, Michael Ondaatje (6)
6. **WINDFALL**, Jeffrey Eugenides (5)
7. **THE LITTLE FISHES**, Dennis Lehane (4)
8. **THE QUEEN BEHAVING**, Andrew Clements (3)
9. **THE LOST BOY**, John Grisham (2)
10. **THE SYMBIOTE OF EGYPT**, Stuart Johnson (1)

Non-fiction

1. **HOW TO BE ALONE**, Jonathan Franzen (10)
2. **THE PRINCE OF EGYPT**, Michael Chabon (9)
3. **THE WINDFALL**, Jeffrey Eugenides (8)
4. **THE LITTLE FISHES**, Dennis Lehane (7)
5. **THE QUEEN BEHAVING**, Andrew Clements (6)
6. **THE LOST BOY**, John Grisham (5)
7. **THE SYMBIOTE OF EGYPT**, Stuart Johnson (4)
8. **THE CORRECTIONS**, Jonathan Franzen (3)
9. **SMOOTH**, Tom Robbins (2)
10. **THE INVESTIGATOR IN NEW YORK**, Stuart Johnson (1)

Compiled by John Deane

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FRIENDS FOREVER—OR NOT

Dabbling in different friendships is a university perk. They don't always last.

IT'S THE FALL OF 1995. I'm in my fourth year at Concordia University in Montreal, on a five-semester degree. It's Halloween and I plan a party with my best friend, Tiffany. We're surrounded the way ones in our crowd and so we're determined to plan something weird and wonderful. Tiffany, whom I met two years earlier in pottery class, sews roses on a T-shirt and individually wrapped chocolate on a pair of shirts. I dress, head to toe, in black vinyl. We toss lollypops and condoms in bowls, rack back cushions on the walls and call it a finish party. We enter our closest friends. It's a huge success. Anyone who doesn't come in costume is stripped and wrapped in toilet paper. We're relaxed, teasing, comfortable. We look ridiculous but, in the eyes of our friends, we're gorgeous and fabulous. We laugh all night, take a ton of photographs and vow to do it again when we're 60. So close, later, the only person I'm still in touch with is Tiffany. Looking at the photo of me with a replace guy holding a whip, I need a minute to remember his name.

It's accepted that university is a time to experiment. These underground years are ideal for dabbling in different courses and exploring new ideas. It's a time to test your boundaries with everything from dating to social issues. But it's also an excellent time to experiment with friendships because for every bad that a person does on, there is usually a matching social group willing to draw you into its fold. For example, when room mates of mine ran an after-school dance class, straight, then gay and then straight again. She adopted a Goth persona but was shunned when she refused to pierce any thing but her belly button. She dropped out of school for a month, became a vegetarian and then returned to McGill in order to mount a campaign against eating meat. Despite the whetted changes, she was never without friends to support and cheer her on. It's a wonderful perk of university.

The safe atmosphere engendered by university allows people to explore parts of

themselves they never tapped while still in their parents' home. There is relatively little fear of censure and so the high school brat who becomes a long-haired stoner and the shy wallflower turn into a popular social tycoon. And perfectly "normal" friend finds herself wearing "a dick-a-suck" shirts and the rose-covered suit. "Oh my God, I feel like I have a hard time believing that we did that," says Tiffany, now coolly re-encased in her heterosexual, married and working as a high school art teacher. "I mean, I went down town after the party. I thought I looked cool." We were playing at being different. One commonly conservative friend showed up at our party dressed as a sleazy pickup artist and went home with the girl dressed as Colgate and black knickers. We were stunned. (It didn't surprise me to learn that he is currently well on his way to becoming a diplomat.)

Who in university doesn't, at times, feel sort of out of place? Traditionally, men have not liked the Gothic idealization of growing pains and changes. Instead of just getting pubic hair, you become a werewolf.



Buffy knows bullies can still be dreamers.

Instead of getting your period, you're cursed into a vampire. The whole plot revolves around the simple question: when you're a stoner, how do you fit in? This is best explored on TV's *Buffy the Vampire Slayer*, which also deals with friendships and how to keep them through all the changes. After six seasons, Buffy and company are now college age and straining to become comfortable with themselves. Her best friend, the witch, finally came out as a lesbian. Just last week, Xena, the former vengeance deity who is trying to adjust to her new femininity, cried, "I need to figure out who I am!" Though most people in university aren't slayers and demons, figuring out who you are is still a challenge, and friends are vital to surviving the wild ride.

Many university friendships last a lifetime. The bonding that occurs is so strong that there has survive marriage, children, job changes and long distance. I think it happens when the people involved actually "found themselves" while in school. They settled into a place that suited them and those friends who sorted that personality, the one they keep for a lifetime. "The closest friends you'll ever make will be the ones you make in university," my mother told me just before I started first year. It's one of the few times my mother has been wrong. Many of my university relationships didn't survive seven years out of school, four different ones and a complete change in focus—from painting to journalism. The closest friends I ever made were in high school—like you'd well enough then to choose people with similar interests and complementary senses of humor. (Ten years out of high school, I reconnected with a guy I met in Grade 13 and we're now dating.)

University, for me, was a chance to try out new friends, ones who challenged my ideals and perceptions and looked at the world in a completely different way. I needed to be an idiot in order to learn how not to be an idiot. And sometimes the growing up that happens on campus and in the dorms is possible to keep the friends who helped you through it. You lose the memories and photographs are enough. No matter how precious those friendships were, sometimes letting go is the only way. And sometimes you simply have to go of the people who save you in a black vinyl lens.

Amy Cameron is a Montreal-based editor. acameron@rochester.ca



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